Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 137
Number 16

April 15, 1940

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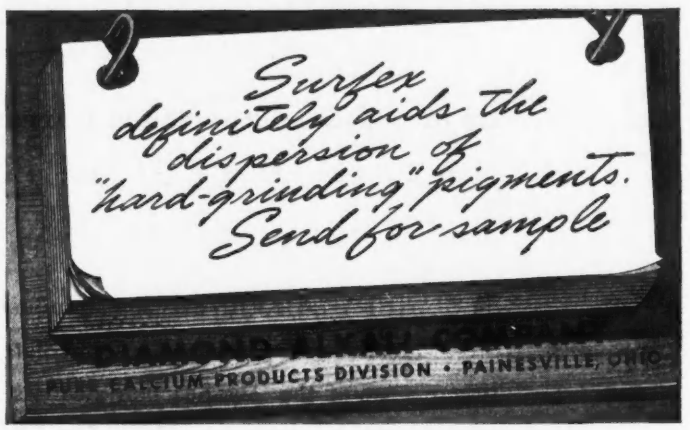
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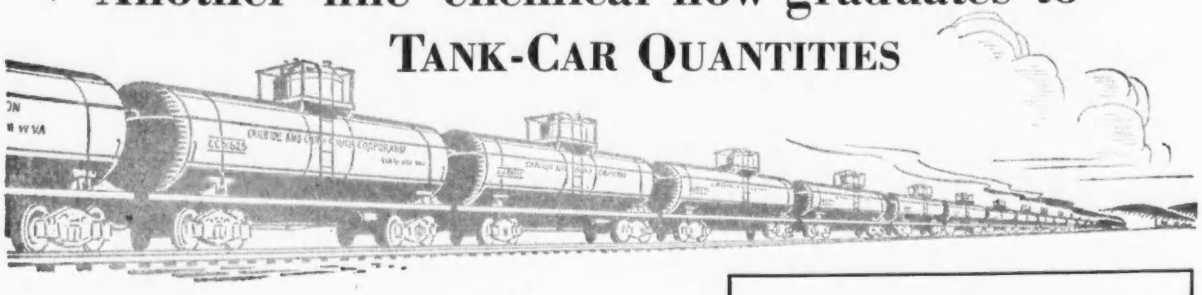

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RECEIVED APR 15 1940 LIBRARY THE CHEMISTS' CLUB

Chemical Minimum Wage In U.S. Contracts Argued

OPD Washington Bureau
April 11, 1940

Opposition to the determination of a minimum wage to apply to the manufacture of chemicals for supplying government contracts was expressed by several representatives of the industry at a hearing today before the Public Contracts Board of the Department of Labor.

The board proposes to recommend to the Secretary of Labor a minimum wage for the chemical industry as required by the Walsh-Healey act. Informal conferences on this subject were held with representatives of the industry last July 27 and December 21, and a questionnaire was sent to 341 plants to secure data on prevailing wages. These data formed the chief evidence introduced at the hearing today.

There was nothing to indicate what the board might find to be the prevailing minimum wage in the chemical industry beyond the tabulation for 341 plants. This showed that the average wage in the lowest paid one-tenth of the 33,625 workers employed was 50.6 cents an hour last June; the average for the lowest one-fourth was 61.9 cents; and the median wage was 72.1 cents an hour.

Definition Opposed

Principal objection came on the proposed definition of the industry. The Public Contracts Division proposed the following definition:—

The chemical and related products industry is that industry which manufactures:—

A. (1) Heavy, industrial, and fine chemicals, including, among others, compressed and liquefied gases, and insecticides and fungicides; and (2) the by-products of the foregoing; and

B. The manufacture of such commodities as bluing, boneblack, carbon-black, and lampblack; cleaning and polishing preparations (except paint and varnish remover, furniture and floor wax and polish, and soap); mucilage, paste and other adhesives.

Omited from the scope of the definition of this industry are:—Ammunition, drugs and medicines, explosives, fertilizers, fireworks, paints, pigments, and varnishes, and soap, which have been accorded separate treatment.

Warren N. Watson, secretary of the Chemical Alliance, pointed out that some of the industries included, such as boneblack and carbon-black, do not really belong in the chemical industry

—Continued on page 32

Hull Asks Settlement Of Mexican Oil Case

OPD Washington Bureau
April 11, 1940

In an attempt to break a two-year impasse, the Department of State has proposed arbitration of Mexico's expropriation of American-owned oil properties. The arbitration was suggested when it appeared that the direct negotiations conducted with the Mexican government by the American companies were destined to failure.

The arbitration note, delivered to the Mexican ambassador by Secretary of State Cordell Hull, was couched in firm language. It pointed out that the United States recognizes the right of Mexico to expropriate American property only on payment of "adequate, effective and prompt compensation."

Heretofore, the negotiations have been carried on by two groups, the Standard Oil Company of New Jersey, represented by Donald R. Richberg, and the Sinclair interests, rep-

—Continued on page 56

Tariff Bargaining Extended to 1943

OPD Washington Bureau
April 12, 1940

No new tariff bargaining negotiations are expected to be undertaken by the Department of State in the near future as the result of the signing today by the President of the resolution to extend the reciprocal trade agreements act for another three years.

The resolution, passed late Friday by the senate, simply extends the negotiating authority, without change. All attempts to amend it, such as to require senate ratification of new agreements, were defeated.

The long-pending negotiations with Chile may be concluded in the near future, and the Belgian agreement may be revised, but as far as can be learned there are no plans for opening new negotiations in the immediate future.

Asplundh Gen'l Manager Of Columbia Chem. Div.

Edwin T. Asplundh has been elected a vice-president of the Pittsburgh Plate Glass Company, a post vacated by the retirement of Hugh A. Galt. Mr. Asplundh, long an assistant to Mr. Galt, has also been named general manager of the Columbia chemical division, of which he is also a vice-president.

A native of Philadelphia, Mr. Asplundh graduated from Pennsylvania State College in 1912. After being associated with the Turner Construction Company and the International Construction Company, Mr. Asplundh

—Continued on page 35

Wholesalers Ask Clarity Of Office Workers' Status

OPD Washington Bureau
April 11, 1940

Hearings opened this week on a series of proposals to amend the regulations under the wage and hour act to provide wider exemptions for white collar workers in the wholesale distributive trades.

In opening the hearing Harold Stein, assistant director of the hearings branch of the wage and hour division of the Department of Labor, explained that he felt it was impractical to conduct a single hearing on all suggestions for exempting white collar workers and as a result the present hearing would be limited to wholesaling operations. Hearings for other industries will be held later.

Specifically, the hearing had before it suggestions from nearly a score of trade associations for new wording for the present definitions of "employee employed in a bona-fide executive, administrative, professional capacity or as an outside salesman."

Most of the witnesses so far this week explained in detail the operations of wholesale establishments in various lines of business and supplied voluminous data on employment, wages and hours in such establishments. When the hearing opened it was announced that so many witnesses had asked to appear that the hearing probably would run most of next week, but many of those scheduled for today failed to testify.

Scandinavian Warfare Erects New Barrier to U.S. Trade

German occupation of Denmark and the Norwegian Atlantic coast last week was followed by an executive order issued by President Roosevelt prohibiting transfers of Danish and Norwegian credits from the United States without license from the Treasury Department.

The President also acted under the neutrality act to extend the combat zone to the entire Atlantic and Arctic coasts of Norway. American vessels are now prohibited from entering those waters. Previously the combat zone extended only as far North as Bergen, Norway. The President is awaiting further information as to the relationship between Norway and Denmark and Germany before deciding whether to proclaim that these countries are at war. Such a proclamation would apply the "cash and carry" provisions of the neutrality act to American trade with the two Scandinavian countries.

The foreign exchange order was issued to "freeze" Danish and Norwegian wealth and credits in this country. Treasury Department officials stated that business firms having dealings involving the transfer of such credits should consult their local banks which would receive instructions through the Federal Reserve Banks.

U.S. Trade Cut Off

United States import and export trade with the entire Scandinavian area probably will come to an immediate halt and may not be resumed on any considerable scale as long as Norway and Denmark remain in the theatre of war. While Sweden and Finland are not at present involved in the war, access to and from them is entirely shut off by hostilities around the mouth of the Baltic Sea and at Norwegian Atlantic Ocean ports.

The Scandinavian countries and Finland, which will also be more completely closed to United States trade, are sources of a number of important chemicals, oils, and related materials imported into the United States. They have also been buyers of considerable quantities of American manufacturers in the lines of paints, soaps, medicines.

Recently the volume of trade, particularly exports, with some Scandinavian countries has increased substantially in certain commodities. These increases have been regarded

—Continued on page 58

Chemical Imports Declined in February

February imports into the United States of chemical and related products were valued at $14,243,500 compared with $12,727,700 in February, 1939, according to the chemical division of the Department of Commerce. Imports in January this year totaled $16,975,000.

In the paint and varnish field, imports of raw materials, not including flaxseed, were valued at $1,842,775 in February against $870,700 in the corresponding month of 1939. Imports of Chinese tung oil advanced from 4,656,000 to 7,262,000 pounds, but imports of the less important drying oils, including perilla and oiticica, decreased. Flaxseed imports during February aggregated 1,762,700 bushels valued at $2,364,600 against 2,248,300 bushels valued at $2,498,500 in February, 1939.

In the medicinal raw material field, February imports were valued at $1,725,600 against $1,249,500 in the corresponding month of 1939. Imports of roots, leaves and similar products advanced in value from $682,000 to $1,076,770, and other medicinal materials.

Imports of waxes were especially heavy in February with the value reaching $1,261,000, which compared with $560,500 in the corresponding month of last year. Imports of carnauba wax during these periods increased from 1,455,000 to 2,724,900 pounds; vegetable waxes, from 529,000 to 608,000; and beeswax, from 320,000 to 453,000.

Fertilizer material imports were sharply up in February, due mainly to heavier receipts of potash, with the total quantity of all types aggregating

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Paint Trucking Rates Await I.C.C. Approval

The executives of the Central States Motor Truck Operators have established an additional rating, as class 44, applicable to shipments of 10,000 pounds minimum of paints, varnishes, and related articles in the Central area. Class 55 rates currently apply to such shipments.

Some delay in publishing the new basis will be occasioned, says E. A. Leveille, director of the traffic bureau of the National Paint, Varnish and Lacquer Association, by the necessity of securing authorization by the Interstate Commerce Commission, to apply from its order in C.F.A. minimum rate case, ex parte MC 21.

The industry's request for an additional rating, as class 50, minimum 5,000 pounds, failed of approval, as did the request for a reduction from class 35 to class 32½ rating for quantities of a minimum of 20,000 pounds. Both were unanimously recommended by a joint committee of executives of truck operators and paint manufacturers, January 9, in Chicago, but were over-ruled by the standing rate committee, whose action to this ex-

—Continued on page 40

Vegetable Oils Census Proposal Opposed

OPD Washington Bureau
April 11, 1940

Opposition to a bill (H.R. 9174) empowering the Bureau of Census to collect monthly statistics on a number of vegetable oils and related products was voiced this week by seven representatives of industries which would be affected by the bill. Representative Hampton P. Fulmer of South Carolina, its author, was the only witness to appear in favor of the bill at the hearings, conducted by the house census committee.

John B. Gordon, secretary of the bureau of raw materials for American Vegetable Oils and Fats Industries, listed three main objections to the bill. He declared that necessary data was already available, industries are already overburdened with the costs of producing masses of reports, and that the added cost would have to be assumed by the consumer.

Following Mr. Gordon, Representative Fulmer held that the cottonseed oil industry was being discriminated against because it had to prepare monthly reports for the government whereas the other industries were merely required to send in quarterly reports.

J. D. Craig, of Spencer Kellogg & Sons, testifying for the flaxseed and soybean crushing industry, pointed out that no compensating benefits were to be expected from the costly and burdensome reports, and voiced objec-

—Continued on page 45

Closing Markets

London Closing Cable

London, April 12, 1940

Quotations on quicksilver were £51 8s 6d per flask, ex warehouse.

Alumina Acetate Revised

Prices for the basic technical 32 percent solution advanced ½c., making car lots, delivered, 10c. per pound and less car lots, same basis, 11c. to 12c. per pound. Quotations for the normal technical 20 percent solution declined ½c. to the basis of 7½c. in car lots, delivered and less car lots, ranged from 8½c. to 9c. per pound.

Bergamot Oil Advanced

Quotations on bergamot oil were advanced to $5.25 to $5.50 per pound late last week, the result of the exceptionally high cost of replacements and the strong control exercised over stocks and sales in Italy.

Cottonseed Oil Use Gains

Consumption of refined cottonseed oil in March was 243,087 barrels, according to figures issued by the Census Bureau. This compared with 213,350 barrels in February and 306,613 barrels in March last year. The visible supply decreased 140,600 barrels against a decrease of 201,600 barrels in March last year. Total visible at close of March 2,264,200 barrels against 2,370,900 barrels last year.

The market here for refined cottonseed oil futures advanced 5 to 10 points early Friday on the Census Bureau figures and strength in lard, but reacted later and declined moderately on liquidation. July closed at 6.90c., and September 6.95c., showing an advance of about 25 points over the final prices of the previous Friday. Southern markets for crude oil were quiet and firm. Miscellaneous oils, fats and greases also ruled firm here.

Tin Salts Easier

Tin derivatives were fractionally lower later in the week. Tin crystals declined ½c., ranging from 36c. to 36½c. per pound; anhydrous stannous chloride of tin was lowered ½c. at 44½c. to 45c. per pound. No change occurred in anhydrous tetrachloride. Straits metal closed at 47¼c. per pound.

Soda Stannate Off

Quotations for soda stannate were ½c. lower at 31c. to 34c. per pound, reflecting the decline in the Straits metal.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Angolan Imports:—A surtax ranging from one-half percent to 1½ percent of the value of imports, with certain exceptions, in Angola established

Lithopone:—The expiring Netherland supplementary import duties (on a specific basis) on zinc white, lithopone, and paints prepared with these products, have been continued until September 1.

Turpentine Cooperative To Study Research Work

A discussion of the research activities of the American Turpentine Farmers Association Cooperative will be a feature of the annual meeting, to be held in the Ritz Theatre, Valdosta, Ga., April 17. Harley Langdale, president of the group, will preside.

Other activities include an address by Jay Ward, in charge of naval stores conservation program for the United States Department of Agriculture, Washington, who will discuss 'Production of Gum Naval Stores—A Changing Industry." Charles Evans, assistant regional forester, will discuss the results of the alliance between the gum producer and the United States Forest Service.

N.Y. Unemployment Insurance Cost to Employers Cut

Albany, Apr. 11, 1940

Governor Lehman has approved the Washburn bill reducing the cost of unemployment insurance to employers. The new law (chapter 369 laws of 1940) provides that the rate of contribution for such insurance purposes regularly payable by each employer shall be 2.7 percent, instead of 3 percent, of the payroll affected.

Chemical Price Trend Reversed

Prices showed a predominant upward trend last week in the markets for heavy and fine chemicals. There was a slight increase in the volume of business passing, but the major influence was the spread of the European war to Scandinavia. The further effect of this was uncertain.

Prices were advanced on electrolytic copper, Straits tin, stannous chloride, tin crystals, tetrachloride of tin, stannate of soda, lead and its oxides, silicofluoride of soda, codliver oil, U.S.P. synthetic camphor, valonia beards and cups, and cottonseed meal in the Southeast.

Prices were reduced on quicksilver, antimony oxide, imported crude naphthalene, gum rosin, gum turpentine, mangrove bark, sumac leaves, lake C red, and imported egg yolk.

The REPORTER'S composite index number of prices for heavy and fine chemicals was advanced to 128.7 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 91.1, compared with 88.8 at this time last year and 89.3 in 1938.

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Md. 'Loss Leader' Law Held Invalid

Annapolis, Md., Apr. 5, 1940

The Maryland "loss leader" law was held unconstitutional today by the State Court of Appeals. The court held that the law "unreasonably and arbitrarily interfered with private business." The ruling was handed down in a case involving the Daniel Loughran Company and the Baltimore Candy & Tobacco Company.

The act, passed in 1939, established a 6 percent mark-up for retailers and 2 percent for wholesalers on all products, trademarked or otherwise. The act had been held unconstitutional by the Circuit Court December 20, 1939.

Hunter Distillery Sale By McK.&R. Is Upheld

Federal Judge A. C. Coxe, this city, has denied a motion made by common stockholders of McKesson & Robbins, Inc., to reconsider his authorization of the sale by trustee William Wardall of the principal assets of the Hunter Baltimore Rye Distillery, Inc., for $2,000,000, to the Browne Vinters Company. The motion had asserted that since Judge Coxe authorized the sale, the Schenley Distillers Corporation was prepared to pay $2,500,000, or $250,000 more than the Browne Vinters bid for the whisky business.

An order has been filed in Federal court, this city, whereby merchandise creditors of McKesson & Robbins, Inc., whose "frozen" balances amounted to more than $100 and less than $1,000, would be paid in cash without interest in full settlement of their claims. The order was expected to involve payment of about $511,000.

A similar order was made by the court on January 27, 1940, permitting payment of "frozen" balances of $100 or less. When all payments were completed under both orders, the claims of approximately 6,700 McKesson creditors would have been settled, leaving only larger claims to be taken care of in a plan of reorganization. Mr. Wardall, as trustee, previously had been authorized to pay secured bank claims amounting to more than $2,000,000.

Chem. Engineers to Hear Food Industry Progress

A meeting of the American Society of Chemical Industry, jointly with the American Institute of Chemical Engineers, will be held April 19 at 8:15 p.m. in the Chemists' Club, this city. The subject of the meeting will be "Progress in the Food Industry."

A dinner will be served in the club prior to the meeting and starting at 6:45 p.m. Short reviews will be presented by the following speakers:—

"Research," by Lewis W. Waters, vice-president of General Foods Corporation.

"Processing Operations," by W. L. Campbell, general manager of manufacturing for the Kroger Grocery and Baking Company.

"Consumer's Viewpoint," by Dr. Walter H. Eddy, director of Good Housekeeping Bureau.

"Advertising and Sales,," by A. C. Monagle, vice-president of Standard Brands, Inc.

Canadian Chemical Medal Awarded to F.J. Hambly

The Canadian section of the Society of Chemical Industry has awarded its medal for 1940 to Fred J. Hambly, Buckingham, Que., for his contribution to the development of the chemical industry in Canada. The medal will be presented to Mr. Hambly at the annual meeting of the Canadian Chemical Association in May. Mr. Hambly is a former vice-president of the society. The medal was established in 1939, at which time it was presented to Prof. P. Watson Bain.

Colorado has filed suit to determine whether oil companies which have leased their service stations to individuals are subject to the chain store tax.

Technology and Employment Correlated at TNEC Hearing

OPD Washington Bureau
April 11, 1940

The first contingent of a group of industrialists, labor leaders, economists and scientists, who have been called by the Temporary National Economic Committee, began this week to present their views on the relationship of unemployment to technological improvements.

The viewpoint of industrialists was expressed by Charles R. Hook, president of the American Rolling Mill Company, when he declared:—

"There is no evidence for concluding that technological improvements cause permanent unemployment. The introduction of power machinery has been accompanied by increased employment, shorter working hours, improved working conditions, and an ever-advancing standard of living."

The time elapsing before displaced workers are reabsorbed depends, Mr. Hook said, on general business conditions and the flow of capital.

Labor's case was presented by Philip Murray, chairman of the Steel Workers Organizing Committee, in his declaration that the unemployment existed because "American economy has not kept pace with the advance in technology during the past decade, and industry is not expanding to absorb the workers displaced by technology." American industry, he said, faces today the prospect of "greater monopolistic control." To eliminate the social problem caused by this situation, he called for a national unemployment conference of leaders of government, industry, and farm and labor groups.

Edsel Ford, president of the Ford Motor Company, denied that technology was responsible for any unemployment at his plant. On the contrary, he said, the company, even with

—*Contnued on page* 54

Tung Oil Ass'n Re-Elects J.B. Wight President

Tallahassee, Fla., Apr. 10, 1940

The American Tung Oil Association has re-elected J. B. Wight, of Cairo, Ga., president, and awarded its 1941 convention to Gulfport, Miss.

Other officers elected were:—Vice-presidents, **E. C. Gay, of Gulfport,** and

J. B. Wight

C. R. Baldwin, of Fairhope, Ala.; secretary and treasurer, J. W. Turner, of Jackson, Miss.

The association, closing its sixth annual convention here, voted to seek reductions in freight rates on tung oil from Gulf coast producing areas to Northern manufacturing centers.

Chain Store Tax Assailed at Hearing

OPD Washington Bureau
April 11, 1940

Opponents of the Patman chain store tax bill (H. R. 1) began to appear this week before the house ways and means subcommittee which had for the past two weeks heard witnesses in favor of the bill.

Chain store officials, representatives of agricultural organizations, and executives of various industries pointed to the value of chain stores in the economic life of the nation and the damage which would result from their destruction.

Elimination of the chain store market would completely disorganize, not only his own industry, but also makers of insecticides, fertilizers, machinery, and containers, and glass and tin manufacturers, John Rice, of the Massachusetts Fruit Growers Association, told the committee. He declared that fruit growers are more dependent on mass distribution by the chains than the chains are upon the fruit growers.

Joseph M. Wells, representing the United States Potters Association, held that "the chain store benefits at least 95 percent of our population" and that the proposed tax would destroy a major section of the market for American-made pottery.

Chain store business saved his shoe manufacturing concern from liquidation five years ago, J. F. Teeple, president of the Teeple Shoe Company, informed the committee.

Earle C. Sams, president of the J. C. Penney Company, charged that pas-

—*Contnued on page* 54

N.Y. Paint Technicians Will Meet April 17

George W. Priest and Dr. J. D. von Mikusch, of the Woburn Degreasing Company, will present a paper on "Dehydrated Castor Oil" at the meeting of the New York Paint and Varnish Production Club April 17.

The meeting will be held in the headquarters of the Building Trades Employers Association, 2 Park avenue, this city, following dinner which is scheduled for 6:15 p.m.

A motion picture, "Frontiers of the Future," will be shown through the courtesy of the Brooklyn Varnish Company

Drug Law Administration Ordered Transferred to FSA

OPD Washington Bureau
April 12, 1940

Transfer of the Food and Drug Administration to the Federal Security Agency was ordered yesterday by President Roosevelt as a part of his fourth departmental reorganization order.

The transfer will become effective in sixty days unless Congress in the meantime specifically disapproves the order.

The entire Food and Drug Administration is transferred to the FSA with the exception of enforcement of the insecticide act and the naval stores act, which are left under the Department of Agriculture. The title of the chief of the Food and Drug Administration is changed to Commissioner of Food and Drugs.

The plan apparently contemplates that the Food and Drug Administration will be a separate agency in the FSA and will not be merged with the United States Public Health Service which is also a part of FSA, although in his message to Congress the President suggested coordination of certain functions of the two agencies.

The transfer will not affect the substantive laws enforced by the Food and Drug Administration or any of its regulations, and no change in procedure is anticipated in the near future. Since the entire F.D.A. personnel is under civil service, no changes should result in the staff.

The functions of the Secretary of Agriculture under the food, drug and cosmetic act presumably will be conducted by the FSA Administrator, now Paul V. McNutt. Details of separation of the insecticide and naval stores work have not yet been worked out.

Today's reorganization order makes a number of other transfers, including transfer of the Weather Bureau from the Department of Agriculture to the Department of Commerce; transfer of that part of the Soil Conservation Service dealing with public lands from the Department of Agriculture to the Department of the Interior; and transfer of the Civil Aeronautics Authority to the Department of Commerce. The Forest Service was not mentioned, although reports had been circulating for months that this agency might be transferred to the Department of the Interior.

The President's message strongly urged that Congress extend the reorganization act beyond its present expiration date of January 20, 1941.

President's Views

In reference to the Food and Drug Administration, the President's message said:—

I further propose to transfer to the

—*Continued on page* 50

N.Y. Druggists Oppose Jobbers' Short Week

Vigorous opposition was expressed in the annual meeting of the New York Pharmaceutical Council to the proposal of wholesalers and manufacturers in this city to close their establishments from Friday afternoon until Monday forenoon beginning with July. Joseph J. Goldberg, president of the council, characterized the proposed shortening of the week as a "callous disregard of the fact that retail pharmacy is an agency of public health." He insisted that druggists, doctors, and the sick would be injured by having supplies of necessary medicines cut off to retailers for two full days, or perhaps longer in the routine handling of orders.

The council which is composed of representatives of fifteen local associations of retail druggists, held its meeting April 9 and 10. Its discussions comprised a number of trade problems, prominent among which as presented by Mr. Goldberg were the elimination of retailer discounts by manufacturers and wholesalers, unfair encroachment on the drug industry by other types of outlets, unsound merchandising practices of manufacturers issuing combination deals, promotion of better relations between pharmacists and other practitioners of the healing arts and new city, State and Federal drug and cosmetic regulations.

Preparations for the convention of

—*Continued on page* 49

Drug Dosage Exemption May Bring Suits for Misuse

OPD Washington Bureau
April 11, 1940

Official action is expected to be taken by the Food and Drug Administration in the very near future against at least one proprietary drug product bearing a so-called "prescription legend" but widely advertised to the public for general sale.

Seizure under libel action would be taken, it was indicated, on the ground that the drug is misbranded in that it fails to bear adequate directions for use, notwithstanding the fact that its label says "Caution: To be used only on or by the prescription of a physician." If inspectors of the Food and Drug Administration are able to purchase this product over the counter of a retail drug store without first presenting a physician's prescription, the product may be seized and a test case made of the interpretation of this part of the food, drug and cosmetic act.

F.D.A. officials have had a number of "prescription legend" drugs under scrutiny for some time, and have given informal warnings to several manufacturers. Section 502 (f) of the law requires drugs to bear adequate directions for use, but a regulation under this section permits substitution of the prescription legend for directions. Officials feel, however, that manufacturers using the legend should make every effort to see that their drugs are confined to professional distribution and do not get into general trade channels. The official attitude is that the prescription legend is often used as an advertising device to enhance the supposed value of a product, and that this is an abuse of the exemption granted by the regulation. A test case appears to be in the making, and indications are it will be against a proprietory which both manufacturer and retailers advertise widely, including the advertisement of special sale prices.

Intention No Defense

It is no defense for a manufacturer to claim that he did not intend his product to be sold without a prescription if some retailer is found to be selling the product over the counter, in the opinion of F.D.A. officials. While it is possible to take action against the offending retailer under section 301 (k), officials feel that the manufacturer can and should be held responsible for permitting distribution of a product subject to misuse of the prescription legend. Their theory is that a single improper sale of a prescription product renders the entire exemption void for all interstate distribution of that product both before and after the sale in question.

To avoid the danger of being placed in jeopardy by the action of a dealer, officials advise manufacturers either to make sure that druggists will not

—*Continued on page* 50

Soda Perborate Needs Warning Label

OPD Washington Bureau
April 10, 1940

Perborate of soda may be a potentially dangerous drug, and if additional scientific evidence demonstrates that it has potentially harmful characteristics, its sale would be in violation of section 502 (j) of the food, drug and cosmetic act unless sold on the prescription of a physician.

This opinion was given by the Food and Drug Administration to a manufacturer seeking advice on labeling. He was told that the administration is not now prepared to say that perborate of soda is dangerous to health, but there is considerable evidence that it is capable of producing definite pathological changes in oral mucosa and the anterior pharnyx and on the tongue of a far from negligible proportion of users. Since rinsing with hot water may not be sufficient to prevent these effects, the manufacturer was advised to label his product with a more specific and definite warning against improper use.

Another manufacturer was told that the term, "healthful," on the label of toothpowder probably would classify this product as a drug, since the courts so ruled under the 1906 food and drug act.

A.I.C.E. to Discuss Processes and Equipment

Recent developments in processes and equipment will be the theme of the technical discussion at the thirty-second semi-annual meeting of the American Institute of Chemical Engineers, to be held in the Hotel Statler, Buffalo, May 13-15. Plants visits in and about Buffalo will supplement the technical sessions on the first two days. Wednesday has been termed "Niagara Falls Day" and will be devoted to plant visits and sightseeing trips near the Falls.

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METALLIC SOAPS	FORMULA	BULK	WATER SOLUBLE SALTS	METALLIC OXIDE	SOFTENING POINT	*FREE ACID	WATER	STANDARD CONTAINER
	Approximate	Fl. Oz./lb.	%	%	Approximate °C	%	%	
Aluminum Stearate Technical M (mono-acid)	$AlSt(OH)_2$	56-62	1-2	15.5-16.5	170	3-6	0.8-1.2	50# box
Aluminum Stearate Technical D (di-acid)	$AlSt_2(OH)$	56-62	0.5-1.0	8.0-8.5	157	4-9	0.3-0.7	50# box
Aluminum Stearate Technical T (tri-acid)	$AlSt_3$	56-78	0.5-1.0	6.0-6.5	115	24-28	0.5-1.0	50# box
Calcium Stearate Impalp. Powd.	$CaSt_2$	120-160	0.2-0.5	abt. 9	146	0.5-3	0.1-0.9	50# box
Calcium Stearate Technical	$CaSt_2$	32-36	0.2-0.5	abt. 9	125	1-2	0.5-1.5	200# bbl.
Zinc Stearate U.S.P. XI	$ZnSt_2$	155-160	1.0	13-15.5	118	1.5-2.5	0.5-1	50# box
Zinc Stearate U.S.P. XI "S"	$ZnSt_2$	155-160	1.0	13-15.5	120	1.5-2.5	0.5-1	50# box

*Determined by hot extraction

Also available – Magnesium Stearate Purified Impalpable Powder, Flatting Agent No. 22, Sodium Stearate Technical.

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Current Market Quotations

April 12, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoactanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dms., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Texas E. of Austin and Brownsville....lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply div'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11⅛
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.16 - 1.20
tech., bbls.....lb. .75 - —
Arseneus, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.25 - 2.50
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.05 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .60
dms., 4,000 lbs. or more..lb. .55 - .58
1,000 to 3,900 lbs.....lb. .61 - .67
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd., ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -128.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00

USP, $25 per ton higher.

Acid, butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caporic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17½- .18
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
dms., smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10-000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23¼- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10½- .11
Corn, dist., dms.....lb. .09 - .09½
Cottonseed oil, dist., dms....lb. .09¼- .09¾
tanks .....lb. .08¾- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equid..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equid..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equid..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equid..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms....gal. .70 - .75
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis....gal. .41 - .42
tanks, dlvd., East U.S..gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd. East U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys, f.o.b. works, c.l..lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1 ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys.....lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% concl., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
lead cbys.....lb. .08 - .08½
48%, lead cbys.....lb. .10½- .11
52%, lead cbys.....lb. .11½- .12
60%, lead cbys.....lb. .14 - .14½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys, works.....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10¼- .11½
plastic grade.....lb. .12¼- .13½
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½

Acid, lactic, USP, XI, 85%, cbys, lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .14 - .14½
Laurent's, bbls.....lb. .42 - —
Linseed oil, dark, dms.....lb. .13 - .13½
light, dms.....lb. .14 - .14½
extra white, dist., dms...lb. .14½- .15
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
dms., l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18¼- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .18¼- .18¾
Naphthenic, dom., acidity, 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., dms., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min., dms., c.l., works..lb. .09 Nom.
l.c.l., dms., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240, dms., c.l., works.....lb. .10 Nom.
l.c.l., dms., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works.....100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works.....100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works.....100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .07½- .08
tanks .....lb. .07 - —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns.....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split), tech., dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, dist., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd.lb. .10 - .11
triple pressed, bgs., dlvd.lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd.lb. .13½- .14½
Succinic, bbls..... ..lb. .75 - —

Acacia—Alcohol

Acid, sulphanilic, CP, bots., works, lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works...ton.36.00 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs.....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment, lb. .37½- —
smaller quantities.....lb. .37¾- —
kgs. .....lb. .38¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .28 - .30
Root, bls.....lb. .36 - .38
Aconitine, amorph., bots.....oz.23.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar, 1, bls.....lb. 1.45 - 1.50
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .53 - .59
dom., powd., dms., bbls..lb. .58 - .64
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
Contract prices 1c. per gal. less.
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Caprvl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .23½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .29¾- —
19 bbls., E. works...gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works....gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —
Anhydrous 3c. per gal. higher.
SD-2B., dms., c.l., works, E. gal. .28¼- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20¾- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .20½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Alcohol—Black, Bone

Alcohol, special solvent, dms., c.l., E. works..gal. .29½- —
20 dms., E. works..gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 4.55 - —
19 bbls.....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l.....gal. 4.54 - —
19 dms.....gal. 4.57½- —
1 to 18 dms.....gal. 4.60½- —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½- —
19 dms.....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., fo.b., dest..gal. .65 - —
55 gal., c.l., same basis, gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.50 - 3.25
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.... lb. .44 - —
450 lb. lots, same basis....lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .28 - .29
Aloe, Cape, cs.....lb. .20 - .21
Curacao, cs.....lb. .44 - .45
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .41 - .42
peeled, bls.....lb. .43 - .44
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point. dlvd N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20%, normal solut., bbls., c.l., dlvd..lb. .08 - —
l.c.l., dlvd.....lb. .08½- .09
32% basic solu., bbls., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .11 - .12
basic powd., soluble, bbls., dlvd..lb. .33 - —
smaller cont., dlvd....lb. .45 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02½- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l. .....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
Alumina sulphate, com'l, bbls., **l.c.l., works, frt. equaled. 100 lbs.** 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .19 - —
l.c.l. .....lb. .20 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .62 - —
ink, dms., 1,500 lbs.....lb. .72 - —
standard, dms., 1,500 lbs..lb. .39 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .36 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .39 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertiliser, com'l, tanks (50,000 lbs.), works.lb. refrigeration, tanks, works, lb. .04¼- — .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .03¼- —
dms., c.l. .....lb. .02½- —
l.c.l. .....lb. .02¼- —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0356- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher,
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs. .....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bbls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y...lb. .11½- .12
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton.28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.00 - 5.15
import, csks. .....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .17 - .19
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Amyl chloride, normal, dms., works..lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots., 25 dms., l.c.l., works..lb. .26 - —
cns., 25 lbs.....lb. .31 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .25 - .26
import, natural, bls.....lb. .70 - .75
twisted, bls.....lb. .95 - 1.25
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Mexican, bgs.....lb. .13 - .13½
Spanish, bgs.....lb. .27 - .27½
Star, bgs.....lb. .15 - .15½
Anisic aldehyde, bots.....lb. 2.65 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. .11 - .15
l.c.l. .....lb. .15¾- —
Salt, 65%, kgs.....lb. .42 Nom.
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 5.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .40 - .42
Root, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. .17½- .18
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .58 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons). Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....tan.36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton.30.00 - —
l.c.l., f.o.b. N. Y.....ton.30.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.35.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .13 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points.. seconds, bgs., c.l., Western shipt. points..ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago .....ton.55.00 - —
l.c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —
bbls., c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —
l.c.l., works.....ton.62.50 - —
Chicago .....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .20 - .25
Chloride, CP, cryst., bbls....lb. .25 - —
kgs. .....lb. .27 - —
Barium chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Ark. line...ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Fluosilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06½ Nom.
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, dms., c.l., ungrd., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works..lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½-. .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l. St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis..ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York.....ton.31.50 - —
southern off color, bulk mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l. dock, t.a. ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l. ex dock, t.a...ton.29.50 Nom
l.c.l., ex whse.....ton.32.50 Nom
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .30 - .35
Root, bls.....lb. .35 - .40
Bentonite, 200 mesh, bgs., Wyo., works...ton.11.00 - —
325 mesh, bgs., Wyo., works ton.16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, N. dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
export .....gal. .17 - —
Benzoyl chloride, cbys.....lb. .23 - .24
Peroxide, pure, gran., fib. ctns., lb. .40 - —
Benzyl acetate, f.f.c., cns.....lb. .40 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .60 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.17.25 -17.50
Hydrochloride, cns.....lb.17.25 -17.50
Sulphate, cns.....lb.17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works...lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.50 - —
Oxychloride, 5-lb. bots.....lb. 3.10 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.03
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.83
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 61-66%, bxs....lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3 bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E...lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —

Black, bone, 6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b plants..lb. .0280- —
f.o.b. North Atlantic ports, lb. .03675- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .0265- —
f.o.b. North Atlantic ports, lb. .03525- —
l.c.l., compressed, bgs. or cartons, f.o.b. whse....lb. .06¼- —
dlvd..lb. .06¾- —
uncompressed, bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06⅞- —
bulk, cars., c.l., f.o.b. plants. lb. .02½- —
f.o.b. New York harbor..lb. .0338- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08⅝- —
2, bbls., l.c.l., works...lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N.Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2 bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N.Y...lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y...lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .25 - .26
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..lb. 1.95 - —
works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, gr., 16-17 ammon., bulk., f.o.b. Chi., unit-ton. 2.75 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.00 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.....lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts.lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
soluble, bbls., same basis, alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, blue dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.57 - 1.59
powd., cns.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 - —
import, 100-lbs., bgs., c.i.f. ports, ship..ton.32.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)

Bone, steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08 - .09
Borage flowers, bls.....lb. .20 - .25
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.

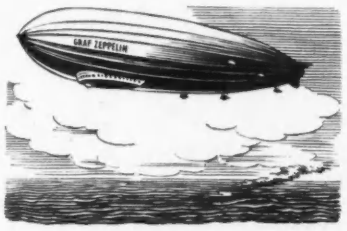
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¾- —

Black, Bone—Brown, Umber

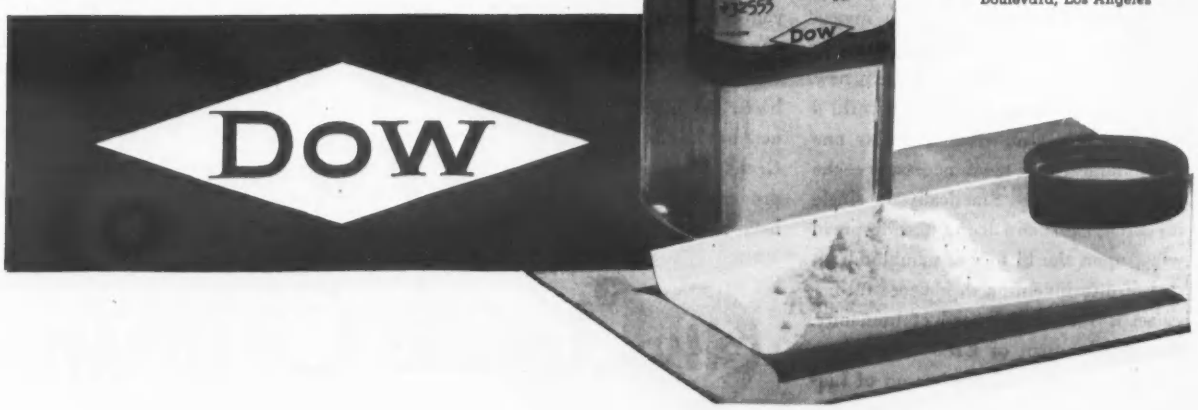
Brown, Sienna, Italian group, 8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06½- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
Brown, Sienna, raw, American, bbls., f.o.b. works..lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2 bbls., same basis...lb. 11½- —
3, bbls., same basis...lb. .12⅜- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05½- —
Umber, American, bbls., works. lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles,

12 Years of ACETPHENETIDIN U.S.P. Production

TWELVE YEARS is a long time in this fast-moving world. A dozen years ago the world was agog over the new "talkies" and "The Jazz Singer" received a special award as the first movie to be heard as well as seen. America was thrilled by the flight of the Graf Zeppelin from Friedrichshafen, Germany, to Lakehurst, N. J., in 4 days, 15 hours, and 46 minutes. President Coolidge was in the White House in 1928, all seemed well with the world and Dow was beginning the production of Acetphenetidin, U.S.P.



These twelve years of production have established Dow as a leading producer of Acetphenetidin for use in medicine as an antipyretic, analgesic, and sedative. Twice ground through pulverizing mills at 200 mesh fineness, this crystalline powder is characterized by exceptional whiteness, while its purity is indicated by a melting point of 134½ to 135½° C. Dow ships this dependable, uniform product in barrels of 200 lbs., net; and in fibre drums of 100 lbs. net.



THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York City; Second and Madison Streets, St. Louis; Field Building, Chicago; 9 Main Street, San Francisco; 4151 Bandini Boulevard, Los Angeles

Brown, Umber—Casein

Brown, umber, Turkey, bbls., l.c.l., Portland, San Francisco, Seattle	lb.	.05½- —
Boston	lb.	.04½- —
Chicago, Indianapolis, New Orleans	lb.	.05 - —
ex whse., Kansas City	lb.	.05½- —
Los Angeles, Portland, San Francisco, Seattle	lb.	.04⅞- —
Minneapolis	lb.	.05½- —
Pittsburgh	lb.	.04¾- —
Vandyke, bbls., l.c.l.	lb.	No prices
Walnut crystals, bbls.	lb.	.06½- —
Brucine, 100 oz., cns.	oz.	.15 - —
Sulphate, 100 oz., cns.	oz.	.12 - —
Bryonia root, bls.	lb.	.15 - .16
Buchu leaves, bls.	lb.	.75 - .80
Buckthorn bark, true, bls.	lb.	.25 - .30
cut and sifted, bbls.	lb.	.28 - .33
Berries, bgs.	lb.	.25 - .30
Burdock root, bls.	lb.	.14 - .15
Burgundy pitch, dom., dms.	lb.	.05½- .06
Butane, coml., 16-34°, tanks, group 3	gal.	.02½- .03
Butternut bark, bls.	lb.	.07 - .08
Butyl acetate, norm., cns., wks.	lb.	.14½- .16½
dms., c.l., frt. alld.	lb.	.10 - —
l.c.l., frt. alld.	lb.	.10½- —
tanks, frt. alld.	lb.	.09 - —
tankwagons, frt. alld.	lb.	.09½- —
contract prices 1c. per gal. less.		
Butyl, acetate, secondary, dms., c.l., frt. pd. E. of Miss. R.	lb.	.07½- —
dms., l.c.l., same terms	lb.	.08 - —
tanks, same terms	lb.	.06½- —
Alcohol (see Alcohol):—		
Aldehyde, dms., c.l., works	lb.	.15½- —
l.c.l., works	lb.	.16½- .17½
tanks, works	lb.	.14½- —
Carbitol (see Carbinol).		
Chloride, normal, dms., c.l., works	lb.	.20 - —
l.c.l.	lb.	.23 - —
Crotonate, normal, 55-gal. dms., dlvd.	lb.	.35 - —
5-gal. cns.	lb.	.75 - —
1-gal. cns.	lb.	1.00 - —
Ether (see under Ether).		
Lactate, dms.	lb.	.23½- —
Propionate, dms., dlvd.	lb.	.16½- .17
tanks	lb.	.15½- —
Stearate, dms.	lb.	.28½- —
Butyric ether, bots.	gal.	6.60 - 6.95
cns, works	lb.	.65 - .70
dms., frt. alld. Met. N. Y.	lb.	.60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more	lb.	1.56 - —
single jars	lb.	1.61 - —
5-lb. bots	lb.	1.75 - —
Iodide, 5-lb. bots	lb.	4.19 - —
25-lb. cns	lb.	4.03 - —
Lithopone (see Yellow).		
Cadmium, metal, pat., shapes, cs.	lb.	.85 - —
ingots or sticks	lb.	.80 - —
Red (see Red).		
Selenide (see Red).		
Sulphide (see Yellow).		
Caffeine, 100-lb. dms., 10,000 lbs. or more	lb.	2.20 - —
2,000 lbs. or more	lb.	2.25 - —
1,000 lbs. or more	lb.	2.30 - —
100 lbs	lb.	2.35 - —
25-lb. dms., 10,000 lbs. or more	lb.	2.23 - —
2,000 lbs. or more	lb.	2.28 - —
1,000 lbs. or more	lb.	2.33 - —
100 lbs	lb.	2.43 - —
25 lbs	lb.	2.55 - —
10-lb. cans, 10,000 lbs. or more	lb.	2.25 - —
2,000 lbs. or more	lb.	2.30 - —
1,000 lbs. or more	lb.	2.35 - —
100 lbs.	lb.	2.40 - —
less than 100 lbs	lb.	2.75 - —
5-lb. cans, 25 lbs. or more	lb.	2.70 - —
less than 25 lbs	lb.	2.85 - —
Citrated, cns	lb.	1.80 - 2.10
Hydrobromine, bots	lb.	4.91 - 4.99
Calabar beans, bgs	lb.	.27 - .28
Calamus root, peeled, N.F., cs.,	lb.	.28 - .30
bleached, bls.	lb.	.90 - .95
Calcium acetate, bgs., dlvd., 100 lbs.		1.90 - —
Arsenate, bgs., c.l., E. of Rockies	lb.	.06 - —
l.c.l.	lb.	.06½- .07

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Calcium, bromide, 100 lbs., works, frt. equaled	lb.	.70 - —
50 lbs., works	lb.	.72 - —
25 lbs., works	lb.	.75 - —
Carbide, dms., c.l., dlvd.	lb.	4.75 - —
l.c.l., f.o.b. warehouse	lb.	4.85 - —
Carbonate (see Chalk and Whiting).		
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd.	ton.	22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs.		1.70 - 2.35
liquor, basis 40%, tanks, works	ton.	7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd.	ton.	20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs.		1.60 - 2.20
Gluconate, USP, gran., powd., 150-lb. bbls.	lb.	.50 - —
dms.	lb.	.55 - .57
cns.	lb.	.68 - .86
Glycerophosphate, fib., dms., 1,000-lb. lots.	lb.	1.10 - —
smaller lots	lb.	1.25 - —
cns., 25 lbs.	lb.	1.50 - —
Hypophosphite, cns.	lb.	.62 - .67
Iodide, bots., jars	lb.	4.04 - 4.19
Lactate, USP, bbls., 200 lbs.	lb.	.23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports.	ton.	No prices
Palmitate, bbls.	lb.	.22 - .24
Phosphate, dibasic, precip., 35-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt.	unit-ton.	No prices
tribasic, c.l., bbls., works.	lb.	.0635- —
l.c.l., bbls.		.0705- —
Resinate, precip., bbls., 1 ton, lb.		.13 - —
smaller lots	lb.	.14 - —
Stearate, precip., bbls., ctns., c.l.	lb.	.20½- —
l.c.l., 1 ton	lb.	.22½- —
Sulphate (see Gypsum).		
Sulphide, 70%, CaS., bgs., c.l., works.	ton.	46.00 - —
80%, CaS., bgs., c.l., wks.	ton.	51.00 - —
luminous, dom., tins, works, 100 lbs.	lb.	1.25 - —
Sulphocarbolate, bbls., 200 lbs., lb.		.47 - .48
kgs., 100 lbs.	lb.	.50 - —
Calendula flowers, bls.	lb.	.35 - .40
Calomel, bbls., fib., dms., kgs., 50 lbs. or more	lb.	2.70 - —
Camphor, natural, powd., cs.	lb.	.83 - .84
slabs, cs.	lb.	.83 - .84
tablets, tins	lb.	.88 - .89
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works.	lb.	.36 - —
smaller lots, works	lb.	.41 - —
USP, or Import., gran. powd., bbls., 2,000-lb. lots.	lb.	.60 - —
1,000-lb. lots.	lb.	.61 - —
smaller lots.	lb.	.62 - —
tablets, 2,000-lb. lots.	lb.	.73 - —
1,000-lb. lots.	lb.	.74 - —
smaller lots.	lb.	.75 - —
Monobromate, bxs., kgs.	lb.	2.00 - 2.05
Canada balsam (see Fir balsam).		
Canary seed, Argentina, bgs.	lb.	.03¾- .03¾
Morocco, bgs.	lb.	.0340- .0370
Turkish, bgs.	lb.	.0340- .0370
Canella alba bark, bls.	lb.	.45 - .50
Cantharides, Chinese, cs.	lb.	.90 - .95
powd., bxs.	lb.	1.05 - 1.10
Russian, cs.	lb.	2.25 - 2.30
powd., bxs.	lb.	2.50 - 2.55
Capsicum (see Pepper, red).		
Caraway seed, Dutch, bgs.	lb.	.13 - .13½
Russian, bgs.	lb.	.11¼- .11¾
Carbazole, 95%, dms., ton lots, works.	lb.	.70 - —
smaller quantities, works.	lb.	.80 - —
98%, dms., ton lots, works.	lb.	.75 - —
smaller quantities, works.	lb.	.85 - —
Diethyl, dms., works.	lb.	.60 - —
small lots, works.	lb.	.75 - —
Carbinol, butyl, norm., dms., lb.		.60 - —
Dimethylethyl, dms., works.	lb.	.60 - —
small lots, works.	lb.	.75 - —
Isobutyl, 128-132°, dms., c.l., works.	lb.	.32 - —
l.c.l., works.	lb.	.34 - —
tanks, works.	lb.	.32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R.	lb.	.05 - —
l.c.l., same basis.	lb.	.05¾- —
5-gal. dms., c.l., same basis, lb.		.07 - .07½
l.c.l., same basis.	lb.	.08 - .08½
Dioxide, cyls.	lb.	.06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld.	gal.	.68½- —
l.c.l., frt. alld.	gal.	.73 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	.96 - —
l.c.l., frt. alld.	gal.	1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld.	gal.	.73 - —
l.c.l., frt. alld.	gal.	.80 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	.97 - —
l.c.l., frt. alld.	gal.	1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld.	gal.	.87 - —
l.c.l., frt. adll.	gal.	.93 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.10 - —
l.c.l., frt. alld.	gal.	1.20 - —
Zone 4, 52½-gal. dms., c.l.	gal.	.83 - —
l.c.l.	gal.	.90 - —
5 or 10-gal. dms., c.l.	gal.	1.07 - —
l.c.l.	gal.	1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss, Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.	lb.	1.00 - 1.35
decorticated, cs.	lb.	.75 - .78
green, bgs.	lb.	.65 - .68
Carob bean flour (see Gum, Locust bean).		
Carvol, bots.	lb.	4.00 - 4.25
Cascara sagrada bark, bulk	lb.	.16 - .18
Case-hardening mixture, 30%, lump, dms., l.c.l.	lb.	.09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd.	lb.	.09½- .10¼
5 tons, works.	lb.	.10 - .11
smaller lots, works.	lb.	.10½- .11½
80-100 mesh, bgs.	lb.	.10 - .11
5 tons, works.	lb.	.10½- .11½
smaller lots, works.	lb.	.11 - .12
Import, Argent., 20-30 mesh, bgs., c.l., duty pd.	lb.	.10 - —
80-100 mesh, bgs., c.l., duty paid.	lb.	.10½- .11½
French, 30 mesh, bgs., c.l., duty paid.	lb.	.14½- .15
New Zealand, 20-30 mesh, c.l., bgs., duty paid.	lb.	.14 - .15

They Started Something!

GREAT among the great men who "started something" in this world was Thomas Alva Edison. And probably the greatest of all the things he started was the incandescent lamp—an invention that turned night into day for millions of people and gave them new safeguards of vision. It gave the world a new industry, also, which is today one of the largest and most necessary—the electrical industry. Practically no single invention has such a deep and widespread effect upon the history of mankind.

Edison's invention was successful because it met a vital need of humanity. The development of EBG engineers—the first commercial production of Liquid Chlorine in America—was successful for the same reason. Because this product was made available from a domestic source to users throughout the country many important advances have been made. Textile and paper bleaching has been placed on a more scientifically efficient basis. The bleaching of other products has also been greatly improved. Great savings in lives and improvements in standards of health have been made, too, because EBG pioneered in using Liquid Chlorine for water purification and the sterilization of sewage.

The first cylinder of Liquid Chlorine made by EBG in 1909.

From the start EBG has always been a leader in the field of Liquid Chlorine. The special knowledge and experience gained by the company in its pioneering activity is *yours* when you use EBG Liquid Chlorine.

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N. Y.
Plant: Niagara Falls, N. Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

Cassia, Batavia, No. 1, bls....lb. .16½- .17
shortstick, bls.....lb. .13½- .14
broken, bls.....lb. .12 - .12½
China, rolls, select, bls.....lb. .10 - .10½
broken, extra, bls.....lb. .08¾- .09¼
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .12 - .13
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, f.o.b. shipt. ports..ton.95.00 -96.00
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.17.50 - —
import, bgs., c.i.f. ports, shipment..ton.20.00 - —
Celery seed, French, bgs.....lb. .21 - .21½
Indian, bgs.....lb. .13 - .13½
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .33 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, frt. alld., lb. .33 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .35 - .40
Roman, bls.....lb. .45 - .50
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.32.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt., ton.32.80 - —
c.l., dlvd., Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.28.00 - —
Mo., Okla., Tex. (except El Paso).....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio .....ton.29.80 - —
Penn. .....ton.31.80 - —
Utah .....ton.66.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.26.00 Nom.
powd., cks., l.c.l., ex dock, ton.39.00 Nom.
ex whse.....ton.42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .96 - —
Chlorinated rubber, standard, c.l., bgs., works..lb. .32 - —
75 lbs., bgs.....lb. .35 - —
smaller lots, bgs.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8¼%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).

Cassia—Cottonseed Hulls

Chrome, sulphate, pearls, dms., 100 lbs..lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs.....lb. .70 - .75
20 in., medium, cs.....lb. .30 - .35
USP, broken quill, red, bgs., lb. .27 - .28
yellow, bgs.....lb. .27 - .28
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns.....100 ozs..oz. .90 - —
powd., cns.....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 3c. per oz., to cover present war risk insurance, higher ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .88 - —
large, cns.....100 ozs..oz. .62 - —
powd., cns.....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 3c. per oz., to cover present war risk insurance, higher ocean fright rates and other expenses ove the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms, lb. 3.40 - —
1 and 5-lb. bots.....lb. 3.50 - 3.55
100 lbs., dms.....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .18½- .19
3 bls.....lb. .15½- .16
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .24 - .25
Madagascar, bls.....lb. .15½- .16
Zanzibar, bls.....lb. .15¾- .16
Clover tops, bgs.....lb. .32 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., wks.....lb. .76 - .80
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½% bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .97 - .98
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs..lb. .13 - .13¼
Cocillana bark, bgs.....lb. .35 - .40
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.20.00 -25.00
Colchicum seed, bgs.....lb. .40 - .45
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .15 - .16
Condurango bark, bgs.....lb. .12 - .13
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns....lb. .30 - .33
S. A., USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .16½- —
Chloride, cryst., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .11½- —
Nitrate, cryst., bbls.....lb. .16¼- —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l., 80-88%, kgs., f.o.b. N.Y..lb. .19½- —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .24½- .25½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.60 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.75 - —
6-15 bbls., same basis, 100 lbs. 4.95 - —
1-5 bbls., same basis, 100 lbs. 5.20 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.15 - 9.35
l c.l. dealers.....100 lbs.10.15 -10.35
Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0165 Nom.
Coriander seed, Morocco, bgs..lb. .04¼- .04⅝
bleached, bgs.....lb. .06¾- .07¼
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 3.19 - —
slabs, bbls., c.l.....100 lbs. 3.11 - —
solid, bbls., c.l.....100 lbs. 3.23 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.22 - —
43°, bbls., c.l.....100 lbs. 3.27 - —
Cornsilk, bls.....lb. .11 - .12
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —

SOLVAY PRODUCTS

TRADE MARK REG. U. S. PAT. OFF.

SOLVAY LIQUID CHLORINE

THREE Solvay Chlorine manufacturing centers—Syracuse, New York; Hopewell, Virginia and Baton Rouge, Louisiana—insure simplified shipments and handling and faster deliveries of high-quality Solvay Liquid Chlorine.

Exacting production methods have placed Solvay Liquid Chlorine in the fore as the standard of quality. It is always full strength . . . always pure when you receive it.

SERVICE—As part of Solvay's customary service procedure, the Solvay Technical Service Department is prepared to give you expert assistance in the problems that arise in the use or handling of Liquid Chlorine. Other Solvay departments, such as its Traffic Department, which assures the most advantageous routing of cars, and Distribution and Warehouse Divisions, are ever seeking out new means to aid customers.

You will find that Solvay's "Big 3" Plant Service will prove of definite benefit to your requirements. It is a service designed to fulfil your needs as an alkali and chlorine user. Your inquiries as to how Solvay Service can be made available to you are cordially invited.

Solvay Liquid Chlorine is shipped in single tank cars of 16 and 30 tons, in multiple unit tank cars of 15 one-ton containers and in cylinders of 100 and 150 lbs.

As a Liquid Chlorine user you will be interested in the comprehensive Solvay booklet on the handling of Liquid Chlorine. It contains valuable data, including tables that are informative and easy to consult. Write for it today.

✓ SODA ASH
✓ CAUSTIC SODA
✓ MODIFIED SODAS
✓ SPECIAL ALKALIES
✓ HEAVY DUTY CLEANSERS
✓ NITRITE OF SODA
✓ CALCIUM CHLORIDE
✓ CAUSTIC POTASH
Liquid—Flake—Ground—Solid—Lump
✓ AMMONIUM CHLORIDE
✓ PARA-DICHLOROBENZENE
✓ ORTHO-DICHLOROBENZENE
✓ AMMONIUM BICARBONATE
✓ POTASSIUM CARBONATE
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

BRANCH SALES OFFICES:

Boston Charlotte Chicago Cincinnati
Cleveland Detroit New Orleans
New York Philadelphia Pittsburgh
St. Louis Syracuse

STANDARD SINCE 1881

Coumarin—Dyes

Coumarin, 5 lbs., or more, 25-lb. cns.	lb.	2.75 - 3.00
5-lb. cns.	lb.	2.85 - 3.10
1-lb. cns.	lb.	3.00 - 3.25
1-oz. cns.	lb.	3.35 - 3.60
less than 5 lbs., cns.	lb.	4.15 - 4.65
Cramp, bark, genuine, bls.	lb.	.23 - .24
so-called, bls.	lb.	.06 - .07
Cranesbill root, bls.	lb.	.16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't,	lb.	.30¾- —
smaller lots, bbls.	lb.	.31¼- —
kgs.	lb.	.31¾- —
Creosote, beechwood, bots.	lb.	.70 - .75
Hardwood, USP, bots.	lb.	.45 - .47
Pine, dms.	gal.	.28 - —
Carbonate, bots., cbys.	lb.	1.40 - 1.75
Oil, crude, tanks, works	gal.	.13½- .14½
Coaltar, solution, tanks, works.	gal.	.122 - .132
refd., bbls., l.c.l., works.	gal.	.25 - —
tanks, works.	gal.	.18 - .18½
Cresol, USP, dms., c.l., works.	lb.	.09¾- —
l.c.l., same basis.	lb.	.10¾- —
special resin grade, dms., c.l., works.	lb.	.08¾- —
l.c.l., same basis.	lb.	.09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works.	lb.	.11 - —
l.c.l., works.	lb.	.12 - —
5 and 10 gal. dms., works.	lb.	.15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more.	lb.	.24 - .25
2,000 lbs. to 10,000 lbs.	lb.	.25 - .26
1,000 lbs. to 2,000 lbs.	lb.	.26 - .27
200 lbs. to 1,000 lbs.	lb.	.27 - .28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.	lb.	.42 - .44
powd., cs.	lb.	.47 - .48
Culver's root, bls.	lb.	.16 - .17
Cumin seed, Malta, bgs.		No stocks
Morocco, bgs.	lb.	.16 - .16½
Cyprus, bgs.	lb.	.15½- .16
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid.	lb.	.04½- —
Cyanamide, 22% N_2, pulv., bgs., dlvd., contracts, N_2, unit-ton.		No prices
Cyanide-chloride, mixture, 45%, gran., dms.	lb.	.19¾- —
lump, dms.	lb.	.09¾- —
75%, gran., dms.	lb.	.15 - —
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies.	lb.	.25 - —
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies.	lb.	.30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E. of Rockies.	lb.	.58 - —

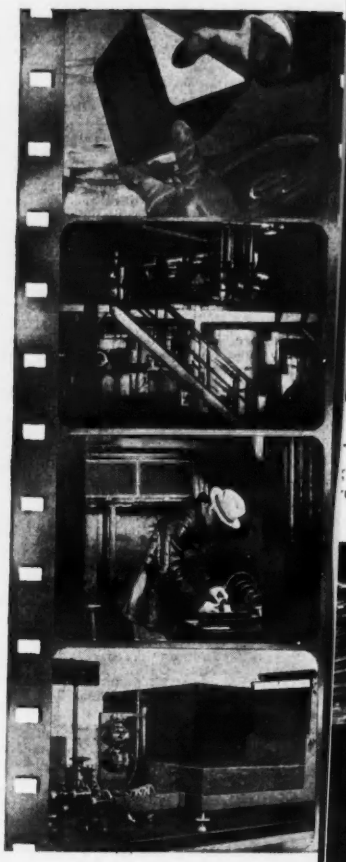
D

Damiana leaves, bls.	lb.	.24 - .29
Dandelion root, German, bls.	lb.	.42 - .45
Deertongue leaves, bls.	lb.	.14 - .15
Degras common, dom., bbls.	lb.	.08½- .09½
English, bbls.	lb.	.08½- .09½
neutral, dom., bbls.	lb.	.13½- .16½
English, bbls.	lb.	.13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt, equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more.	lb.	.24 - .28
2,000 lbs. to 10,000 lbs.	lb.	.26 - .30
1,000 lbs. to 2,000 lbs.	lb.	.28 - .32
200 lbs. to 1,000 lbs.	lb.	.30 - .34

4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns.	lb.	4.00 - 5.00
15% rotenone, bulk, cns.	lb.	2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago.	100 lbs.	3.85 - —
l.c.l., f.o.b. Chicago.	100 lbs.	3.95 - —
Corn, canary, bgs., c.l., f.o.b. Chicago.	100 lbs.	3.60 - —
l.c.l., f.o.b. Chicago.	100 lbs.	3.80 - —
white, bgs., c.l., f.o.b. Chicago.	100 lbs.	3.55 - —
l.c.l., f.o.b. Chicago.	100 lbs.	3.75 - —
Potato, import, bgs.	lb.	.07¾ Nom.
Diacetone (see under Alcohol).		
Diacetyl, bots.	lb.	10.00 -11.00
Diamyl ether, dms., c.l., works,	lb.	.085 - —
l.c.l., works.	lb.	.092 - —
tanks, works.	lb.	.075 - —
Oxalate, dms., l.c.l., works.	lb.	.30 - —
Phthalate, dms., cl., dvld.	lb.	.21 - —
l.c.l., dlvd.	lb.	.21½- —
tanks, dlvd.	lb.	.20 - —
Sulphide, dms., l.c.l., works.	lb.	1.10 - —
Diamylamine, dms., c.l., works,	lb.	.47 - —
l.c.l., works.	lb.	.48 - .50
tanks, works.	lb.	.45 - —
Diamylene, dms., cl., works.	lb.	.095 - —
l.c.l., works.	lb.	.102 - —
tanks, works.	lb.	.085 - —
Diamylnaphthalene, dms., l.c.l, works.	lb.	.20 - —
Diamylphenol (2, 4), dms., c.l., works.	lb.	.17 - —
l.c.l.	lb.	.20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works,	ton.	22.00 -35.00
l.c.l., ex whse.	ton.	45.00 -50.00
import, bgs., c.l., c.i.f.	ton.	23.00 Nom.
Dibutylamine, dms., c.l., works,	lb.	.50 - —
l.c.l.	lb.	.51 - .53
tanks, works.	lb.	.48 - —
Dibutyl ether (see Ether, butyl).		
Phthalate, dms., c.l., dlvd.	lb.	.19 - —
l.c.l., dlvd.	lb.	.19½- —
tanks, dlvd.	lb.	.18 - —
cns., works.	lb.	.23½- .25½
Sebacate, dms., works.	lb.	.45 - —
Tartrate, dom., dms.	lb.	.50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).		
Dichlorethyl ether, dms., c.l., works.	lb.	.15 - —
l.c.l., works.	lb.	.16 - —
tanks, works.	lb.	.14 - —
Dichloropentane, dms., c.l., works.	lb.	.0221- —
l.c.l.	lb.	.04 - —
tanks	lb.	.025 - —
Diethanolamine, dms., c.l., works,	lb.	.23½- —
l.c.l., works.	lb.	.24½- —
tanks, works.	lb.	.22½- —
Diethylamine, dms., l.c.l., works.	lb.	.70 - —
Diethylcarbonate, coml., dms.	lb.	.25 - —
refd., 99%, dms.	lb.	.35 - —
Carbinol (see Carbinol).		
Oxalate, dms., l.c.l., dlvd.	lb.	.27 - —
Phthalate, dms., c.l., frt. alld.,	lb.	.19 - —
l.c.l.	lb.	.19½- —
tanks	lb.	.18 - —
Sulphate, dms., c.l., works.	lb.	.13 - —
l.c.l., works.	lb.	.14 - —
tanks	lb.	.12 - —
Diethylanilin, dms.	lb.	.40 - —
Diethyleneglycol, dms., c.l., works,	lb.	.14½- —
l.c.l., works.	lb.	.15½- —
Monobutylether, dms., works.	lb.	.22½- .24½
Monoethylether, dms., c.l., works.	lb.	.14½- —
l.c.l., works.	lb.	.15½- —
tanks, works.	lb.	.13½- —
Digitalis leaves, dms.	lb.	.35 - .40
Diglycol, laurate, c.l.	lb.	.16 - —
Oleate, light, bbls., c.l.	lb.	.17 - —
Stearate, bbls., c.l.	lb.	.22 - —
Di-isobutyl ketone, dms., works,	lb.	.29 - —
Dilseed, recleaned, bgs.	lb.	.08 - .08¼
Dimethyl phthalate, dms., c.l., dlvd.	lb.	.18½- —
l.c.l., dlvd.	lb.	.19 - —
tanks, dlvd.	lb.	.17½- —
Dimethylanilin, dms., c.l.	lb.	.23 - —
l.c.l., dms.	lb.	.24 - —
Dimethylamine, dms., c.l., dlvd.,	lb.	1.00 - —
l.c.l., dlvd.	lb.	1.03 - —
Dimethylethyl carbinol (see Carbinol).		
Dinitrobenzene, bbls., 80° min.,	lb.	.18 - —
Dinitrochlorobenzene, dms.	lb.	.14 - —
Dinitronaphthalene, kgs.	lb.	.33 - .38
Dinitrophenol, bbls.	lb.	.22 - —
Dinitrotoluene, dms.	lb.	.15½- —
oily, dms.	lb.	.09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.44 - —
600-1,950 lbs., dlvd.	lb.	.46 - —
150-450 lbs., dlvd.	lb.	.47 - —
Dioxan, dms., c.l., frt. alld.	lb.	.20 - —
l.c.l., same basis.	lb.	.21 - —
tanks, same basis.	lb.	.19 - —
Dip oil (see Tar acid oil).		
Dipentene, dms.	gal.	.47 - .50
tanks	gal.	.41 - —
dest., dist., dms.	gal.	.45 - .48
tanks	gal.	.38 - —
Diphenyl, bbls., c.l., works.	lb.	.15 - —
l.c.l., works.	lb.	.16 - .20
Oxide, perfume grade, cns.	lb.	.50 - .55
Diphenylamine, bbls.	lb.	.25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd.	lb.	.35 - —
600-1,950 lbs., dlvd.	lb.	.36 - —
150-450 lbs., dlvd.	lb.	.37 - —
Diphenylmethane, bots.	lb.	1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).		
Doggrass root, cut, bls.	lb.	.22 - .23
Dogwood bark, Jamaica, bls.,	lb.	.08 - .16
Dovers powder, USP, cns.	lb.	2.75 - 2.80
Dragon's blood, mass, cs.	lb.	.65 - .70
reeds, thin, cs.	lb.	1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—		
Blue, FD&C blue, No. 1, cns.	lb.	13.50 - —
FD&C blue, No. 2, cns.	lb.	13.50 - —
FD&C green, No. 2, cns.	lb.	17.50 - —
FD&C green, No. 3, cns.	lb.	27.50 - —
Green, FD&C green, No. 1, cns.	lb.	13.50 - —
Orange, FD&C orange, No. 1, cns.	lb.	2.90 - —
FD&C orange, No. 2, cns.	lb.	3.65 - —
Red, FD&C red, No. 1, cns.	lb.	6.00 - —
FD&C red, No. 3 cns.	lb.	3.15 - —
FD&C red, No. 3, cns.	lb.	17.50 - —
FD&C red, No. 4, cns.	lb.	5.75 - —
FD&C red, No. 32, cns.	lb.	4.15 - —
Yellow, FD&C yellow, No. 1, cns.	lb.	8.50 - —
FD&C yellow, No. 3, cns.	lb.	2.65 - —
FD&C yellow, No. 4, cns.	lb.	2.65 - —
FD&C yellow, No. 5, cns.	lb.	3.15 - —
FD&C yellow, No. 6, cns.	lb.	3.15 - —
Dyes, coaltar (certified colors) for drugs and cosmetics:—		
Black, D&C black, No. 1,	lb.	8.35 - —
Blue, D&C blue, No. 6.	lb.	13.50 - —



(*Right*) **TIRE SECRETS** are uncovered by X-ray that operates from ordinary outlet—can be rolled around service station to inspect tire without removing it. Inset shows radiograph of stone bruise in tire, typical instance of detection of defect by the X-ray before puncture or blowout can occur.

(*Above*) **"IT ISN'T DONE WITH MIRRO** is the title of a new 30-minute ta movie which tells story of resin res at American Cyanamid. The film is a able for showing to technical associ groups throughout the country. taken from film show: (1) Huge s crystal of salt used in infra-red spe graphic analysis; (2) Automatically trolled resin production equipment Cold room for low-temperature (4) Spectro photo machine for anal and matching colors of synthetic r

(*Right*) **AMAZING ADVANCES** in baking enamels are promised by Cyanamid's revolutionary new Melamine Resins. These resins offer exceptional opportunities for improving such characteristics as speed of cure at low temperatures; mar-resistant hardness when used in relatively small proportions; gloss and color retention on prolonged subjection to high temperatures; resistance to water, alkali, grease; outdoor durability. Cyanamid's technical staff will gladly aid in selection and use. Photo shows typical uses for finishes of this type.

Dyes, coaltar (certified colors) for drugs and cosmetics:—
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns..lb.15.35 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 3.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.16.35 - —

Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3.....lb.21.85 - —
Ext.D&C, red, No. 8.....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 11, cns. lb.12.35 - —
Ext.D&C, red, No. 13, cns.. lb.12.35 - —

Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Yellow, Ext.D&C, yellow, No. 1.. cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .80 - .95
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .85 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
332 Direct scarlet B.....lb. 1.50 - 1.75
337 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
402 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
443 Benzo purpurin 4B...lb. .40 - .42

Dyes, coaltar, for general uses (numbers are those of Colour Index scale).
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .55
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —

Dyes—Eserine

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

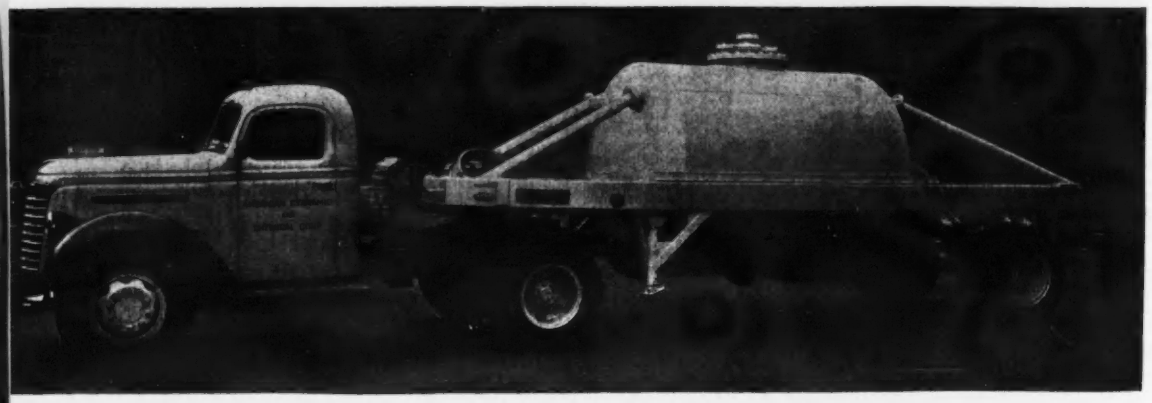
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
653 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .40 - .52
332 Bismarck Brown R...lb. .40 - .52
796 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.35 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
708 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

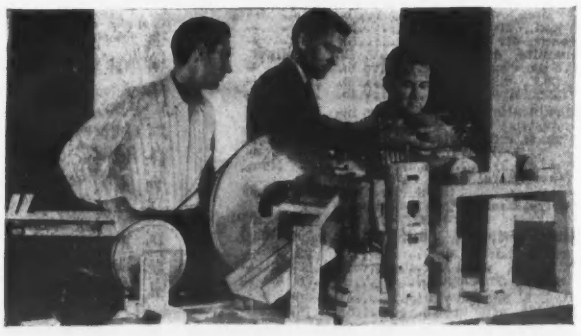
Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .55 - .62
imported .....lb. .52 - .54
Elder flowers, bright, bls.....lb. .38 - .39
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .13
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Sulphate, cryst., t/us, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
Epsom salt, USP, cryst., dom., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.05 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs. l.c.l.....lb.
Ergot, USP, cns., dms.....lb. 3.75 - 3.90
Eserine, bots.....oz.4.00
Salicylate, bots.....oz.36.00 -
Sulphate, bots.....oz.36.00 - —



TRANSPORTATION OF CHEMICALS is a problem of increasing complexity. Recent development is the tank truck shown above. Trucks of this type, lined with rubber and having a capacity of 2,500 gallons, have been placed in service by Cyanamid for the transportation of corrosive substances without contamination of contents or damage to truck.

(*Above*) **RAPID SILVERING** puts mirror making on production-line basis—does away with old time-consuming method of hand-pouring solution from china pitcher. Secret lies in new solution that can be sprayed on, allows much more rapid deposition of silver plate, is expected to result in finer reflections.

SORTING MOLECULES and their constituent atoms roughly according to weight is the unusual task of this spherical mass spectrometer devised by Dr. John A. Hipple, Jr., Westinghouse Research Fellow. Device will be used to uncover additional information on the way in which gases break up into their atoms and the amount of energy needed.



DEHYDRATING SWEET POTATOES is new chemurgic development, expected to aid in year-round utilization in economical production of starch and cattle feed. Semi-commercial plants are being made at North Texas State Teachers College with dehydration press developed by Gilbert C. Wilson (center). Assisting Mr. Wilson are Alfred Davis and William McCart. Process is believed ready for commercial use.

American Cyanamid & Chemical Corporation
30 ROCKEFELLER PLAZA · NEW YORK, N. Y.

Ether—Gypsum

Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs. lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works...lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07 - —
95-98%, dms., c.l., frt. alld.lb. .08¼- —
l.c.l., frt. alld.....lb. .08¾- —
tanks, frt. alld.....lb. .07¼- —
N.F., 460 lb. dms.....lb. .09½- —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 gal. dms., dlvd., lb. .35 - —
Formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., dlvd.....lb. .75 - —
1 gal., cns.....lb. 1.00 - —
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15½- .18½
tanks.....lb. .13½- —
Monobutylether, dms., c.l., works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l. works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11¼- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .11 - .12

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons..ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13 - .13½
French, bgs.....lb. .13½- .13¾
German, large, bgs.....lb. .33 - .34
Roumanian, bgs.....lb. .11¾- .12¼
Fenugreek seed, bgs.....lb. .05½- .06
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .12½- —
smaller lots, works...lb. .13½- —
light, cs., 1,000 lbs. or over, works..lb. .13½- —
smaller lots, works....lb. .14½- —
water white, cs., 1,000 lbs. or over, works..lb. .14½- —
smaller lots, works....lb. .15½- —
Fir balsam, Canada, cns....gal.12.75 -13.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.25 Nom.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.58.00 - —
wet, acidulated, 6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, March shipt..ton.52.00 - —
spot..ton.62.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Flaxseed, French, black, bgs..lb. .18½- .19
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.60 - —
washed gravel, 85.5 f.o.b. Ky.-Ill.-Ky. mines..net ton.21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill., mines..net ton.21.00 - —
imported, 85.5, duty paid, short ton.25.00 Nom.
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0585- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.15.00 - —
import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .17¼
Fustic extract, cryst., bbls....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10 Nom.
Cubes, Singapore, cases....lb. .09 Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06½
65 octane and above, tanks, gal. .06¾- .07½
California, 54-58, tanks..gal. .05½- .07
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04⅜- .04½
67-69 octane, tanks....gal. .04½- .04⅝
70-72 octane, tanks....gal. .04⅝- .05
Oklahoma-Texas, US motor, 62 octane and below, tanks, gal. .03½- .04
third grade, tanks.....gal. .03½- .04
63-66 octane, tanks....gal. .03¾- .04
67-69 octane, tanks....gal. .04 - .04¼
70-72 octane, tanks....gal. .04½- .04⅝
natural, 12-lb. v.p., tanks, gal. .01½- .01⅝
14-lb. v.p. tanks.....gal. .01¼- .01½
18-lb. v.p., tanks.....gal. .01½- .01⅝
22-lb. v.p., tanks.....gal. .02 - —
26-70-lb. v.p., tanks...gal. .01¼- .01½
below 60 octane, tanks.gal. .02 - —
65 octane, tanks.....gal. .04 - —
52-54 450 e.p., naphtha, tanks..gal. .03 - —
gal. .01½- .01⅝
14-lb. v.p. tanks.....gal. .01¼- .01½
Gelatin, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .14 - .15
grd., bbls., bxs.....lb. .16 - .17
powd., bbls., bxs.....lb. .17 - .18
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger root, African, bgs.....lb. .07¾- .08
Cochin, lemon, bgs.....lb. .09½ Nom.
Jamaica, bold, bgs.....lb. .12 - .13
grinding, bright, bgs.....lb. .08¾- .09¼
medium, bgs.....lb. .12 - .12½
Japanese, bgs.....lb. .08¾- .09¼
Ginseng root, wild, Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works.... 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
36/58, bgs., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
58/82, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis, lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .09
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .12 - .12½
Goldenseal, root, bls.....lb. 3.85 - 4.00
powd., bxs.....lb. 4.10 - 4.25
Grains of paradise, bgs.....lb. .38 - .39
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06½- —
l.c.l., works.....lb. .06½- —
Graphite, amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works, lb. .02½- —
65% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, loose.....lb. .04¾- .04¼
Whits .....lb. .04¾- .04¾
Yellow .....lb. .04¾- .04¼
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .09¾- .10
white, sorts, 1, bgs.....lb. .28 - .29
2, bgs.....lb. .27 - .28
powd., bbls.....lb. .14 - .14½
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .17½- .18
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, cloudy, white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .11¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .10¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .08½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .17¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .17½- —
19, pale straw nubs., bgs., c.l., same basis..lb. .16¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .11¾- —
21, ordinary selected nubs, c.l., same basis..lb. .10¾- —
22, small mixed nubs, bgs., c.l., same basis..lb. .09¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .10½- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale bld chips, bgs., c.l., same basis..lb. .10 - —
27, pale small nubs, bgs., c.l., same basis..lb. .09½- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
chips, bgs., c.l., same basis..lb. .05 - —
dust, bgs., c.l., same basis..lb. .04¾- —
nubs and chips, bgs., c.l., same basis..lb. .05 - —
Gum, copal, Batu, black, bold, scraped, bgs., c.l., same basis..lb. .09½- —
unscraped, bgs., c.l., same basis..lb. .06¾- —
nubs and chips, bgs., c.l., same basis..lb. .06¾- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .13¾- —
chips, bgs., c.l., same basis, lb. .07¾- —
dust, bgs., c.l., same basis. lb. .04¾- —
nubs, bgs., c.l., same basis..lb. .11¾- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14¾- —
chips, bgs., c.l., same basis, lb. .08¾- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13½- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .14¼- —
B, bskts., c.l., same basis, lb. .13¾- —
C, bskts., c.l., same basis, lb. .13½- —
CNE, bskts., cl., same basis..lb. .10¼- —
D, bskts., c.l., same basis, lb. .13¼- —
DK, bskts., c.l., same basis, lb. .10¼- —
dust, bskts., c.l., same basis..lb. .06¾- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06¾- —
spirit - soluble, CBB, bskts., basis..lb. .12¾- —
DBB, bskts., c.l., same basis, lb. .12¾- —
MA, bskts., c.l., same basis, lb. .10¾- —
MB, bskts., c.l., same basis, lb. .09¾- —
WS, bskts., c.l., same basis, lb. .12¾- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .10¾- —
chips, pale, bskts., c.l., same basis..lb. .13½- —
pale, small, bskts., c.l., same basis..lb. .11¾- —
extra pale sorts, bskts., c.l., same basis..lb. .12¾- —
nubs, bskts., c.l., same basis..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .15¾- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15½- —
mixed, bgs., c.l., same basis, lb. .14½- —
split, bgs., c.l., same basis, lb. .13½- —
chips, bgs., c.l., same basis, lb. .08¾- —
nubs, bgs., c.l., same basis, lb. .10¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/D, cs., c.l., same basis..lb. .13¾- —
A/E, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis.....lb. .20¼- —
C, cs., c.l., same basis.....lb. .14¾- —
D, cs., c.l., same basis.....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07¾- —
E, cs., c.l., same basis.....lb. .10 - —
F, cs., c.l., same basis.....lb. .08 - —
Singapore 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¾- —
3, cs., c.l., same basis....lb. .07½- —
chips, cs., c.l., same basis..lb. .11 - —
dust, cs., c.l., same basis, lb. .07¼- —
seeds, cs., c.l., same basis, lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .10½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs....lb. .06¼- .06
less than 10,000 lbs., same basis..lb. .06½- .07
Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l., lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l...lb. .07- .07
l.c.l., same basis.....lb. .07½- .07
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs. .....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls. .....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .46 - .47
Olibanum, siftings, cs.....lb. .08 - .10
Tears, cs.....lb. .15 - .20
Opium (see O).
Rosin (see R).
Gum, sandarac, cks., c.l., same basis as copal..lb. .37 Nom.
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 2.65 - 2.75
2, cs. .....lb. 2.55 - 2.60
3, cs. .....lb. 2.45 - 2.50
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 -
Medicine Lodge, Kans., frt. equaled..ton.17.00 -
bgs, c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.27.65 -

Gypsum, Keen's cement paper bgs., c.l., f.o.b. Southard, Okla., frt. equal..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Acme, Tex., frt. equald.ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags., c.l., f.o.b. Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .25 - .30
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls. lb. .16 - .17
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¾- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane, leaves, bls.....lb. .50 - .60
Henna leaves, bls.....lb. .15 - .16
powd., bbls., bxs.....lb. .17 - .18
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l. Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - 2.75
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .09½- .10
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastine, 15 grs., bots....bot. 1.95 - —
Hydrastine (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River..lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.55.00 -72.00
Hydrochloride, bots.....oz.59.00 -60.00
Hyoscyamine, h gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 51°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.25 - 1.30
powd., bxs.....lb. 1.40 - 1.45
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
Iron chloride, USP solut., cbys., works, frt. alld. or equald. lb. .06½- .07
djns.....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate),
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

Gypsum—Lead Arsenate

J

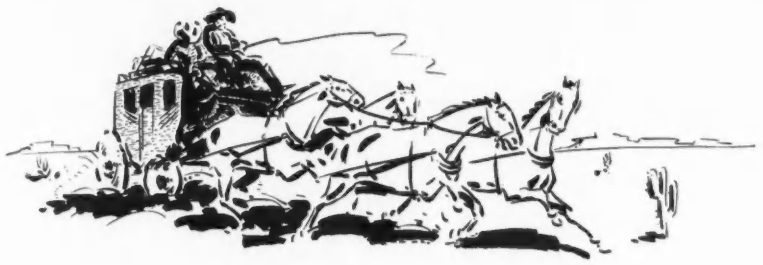
Jarborandi leaves, bls.....lb. .11 - .13
Jalap root, NF, bls.....lb. .35 - .40
powd., bbls., bxs.....lb. .40 - .45
resin, lump, 100 lb. lots, cns.lb. 5.75 - —
powd., bxs.....lb. 6.80 - —
Juniper berries, bgs.....lb. .12 - .13

K

Kamala, tins.....lb. .42 - .43
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0580- .06½
Gulf ports, p.w., bulk.....gal. .07¼- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅞- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03⅞- .04
42-44 w.w., tanks.....gal. .04 - .04¼
Pennsylvania, 45 w.w., tanks, gal. .04⅞- .05
46 w.w., tanks.....gal. .05 - .05⅛
47 w.w., tanks.....gal. .05⅛- .05¼
Kerosene, tankwagon:—
Atlanta.....gal. .10 - —
Boston.....gal. .08½- —
Chicago.....gal. .10 - —
Cincinnati.....gal. .12 - —
Denver.....gal. .10½- —
Louisville.....gal. .09 - —
Minneapolis.....gal. .104 - —
New Orleans.....gal. .11 - —
New York.....gal. .08½- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.25 - 6.50
Middlewestern, trcs....100 lbs 6.40 - 6.50
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 6.50 - 6.60
Compound, trcs.....100 lbs. 9.25 - 9.75
Larkspur seed, bgs.....lb. 1.00 - 1.10
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .05¼- .05¾
Lavender flowers, ordinary, bls.lb. .35 - .37
medium, bls.....lb. .40 - .42
select, bls.....lb. .45 - .47
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- .11
l.c.l., bgs., c.l.....lb. .09 - .11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.



When Long Haul Experience Pays

Our customers generally find that the average price of their year's commitments is less than had they bought at spot prices for the needs of the moment.

With two generations of world-wide experience in representing buyers and sellers of chemicals, our organization has developed a keen perception of market price-trends that, over the long haul, works to the advantage of both buyer and seller.

We invite correspondence from producers and consumers of chemicals and chemical by-products regarding our constructive marketing service.

Inquiries for these and other chemicals are invited.

TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACETIC ANHYDRIDE
ETHYLENE DIAMINE • LECITHIN • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Lead, Blue—Methyl Chloride

Lead, blue, basic, sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¾- —
l.c.l., dlvd. E.....lb. .06½- —
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5 lb. bots..lb. 2.66 - —
jars .....lb. 2.85 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lbs. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18¼- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .0787- —
other points.....lb. .07½- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and and Wash..lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, Ala., etc.lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc. other points.....lb. .07¾- —
lb. .0810- —
l.c.l., 5 tons, dlvd., Ala., etc...lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala.. etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc.lb. .0860- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
l.c.l., smaller lots, dlvd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l. (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic, carbonate, bbls., c.l. dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc..lb. .07¼- —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., dlvd., Ariz., etc. lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —

Consumers' price and painters' price are ¼c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l. same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l. same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms. c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l. same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l. same basis..lb. .37½- —
l.c.l. same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .25
root, cuttings, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .10 - .11
select. bndls., cs.....lb. .27 - .30

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Lime, chemical (quicklime), lump or pebble, bulk., f.o.b.
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.15.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —

Hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —

Spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .10 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Lime, sulphur, solution. Zone 3, tanks, dealers. dlvd..gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10¼- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.00 - 3.00
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton.26.50 - —
meal, 34%, bgs.....ton.33.50 - —
Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0685- —
dlvd., other points....lb. .06½- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07 - —
smaller lots, dlvd., Ala..lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)...lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .50 - .51
Lobelia, herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10¼- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dom., bls.....lb. .55 - .56
imports, bls.....lb. .45 - .60
Lupulin, N. E.. tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.00 - 4.10

M

Mace, Banda, cs.....lb. .55 - .56
Batavia, cs.....lb. .29 - .30
Siauw, cs.....lb. .40 - .41
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
U.S.P., Zone 1, c.l., bgs..lb. .08 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., C.l., shipments ,full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¾
Stearate, bbls., ctns., c.l....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.58.00 62.00
Import, bgs., duty paid...ton.58.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .58 - —
100-lb. lots.....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .20½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works...ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.30 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.10 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms..lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .08 - .08½
single bbls., works.....lb. .08¼- .08¾
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd., South..ton.52.00 - —
l.c.l., bgs.....ton.59.00 -73.25
Mangrove bark, bgs., shipt...ton.30.00 - —
Manna flake, large, cs.....lb. .80 - .85
small, cs.....lb. .65 - .70
Mannitol, com'l grade, 99% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works....lb. .50 - —
reagent grade, 25-lb. tins, 100-lb. lots, works..lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .25 - .25½
Tunisan, bls.....lb. .24 Nom.
Chilean, bls.....lb. .17½- .18
Matico leaves, bls.....lb. .28 - .29
Menthol, USP, natural, cs.....lb. 3.60 - —
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib., dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Iodide, red, N.F., 5-lb. bots..lb. 4.71 - —
100-lb. fib., dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.73 - 4.75
Mercury, nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.66 - —
USP, fib., dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib., dms.....lb. 1.73 - 1.75
fib., dms., 25 lbs.....lb. 1.60 - 1.65
Mesityl oxide, cns., works.....lb. .20½- .22½
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅝x5½ in.....pkg.22.50 -23.00
3⅞x5½ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.30 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

Natural, producer group B, pure, tanks, frt. alld.
Zone 1.....gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
dms., l.c.l., Zone 1...gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —

95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Tenn., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore., Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex, Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .46½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. ald....gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l., only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10¼- —
W. of Miss. R.....lb. .11¼- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09¼- —
W. of Miss. R.....lb. .10¼- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R. lb. .07¼- —
W. of Miss. R.....lb. .08¼- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .20½- —
Acetone, natural, producer group A, dms., c.l..gal. .41 - —
l.c.l. .....gal. .44 - —
tanks .....gal. .35 - —

Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Natural, producer group B, tanks, Zone 1..gal. .35 - —
Zone 2.....gal. .37½- —
Zone 3.....gal. .38½- —
Zone 4.....gal. .39 - —
dms., c.l., Zone 1.....gal. .41 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .45 - —
Zone 4.....gal. .47 - —
dms., l.c.l., Zone 1....gal. .44 - —
Zone 2.....gal. .50½- —
Zone 3.....gal. .48 - —
Zone 4.....gal. .63½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Acetone, synthetic, dms., c.l., E. of Rockies..gal. .44 - —
W. of Rockies.....gal. .48 - —
l.c.l., E. of Rockies...gal. .47½- —
W. of Rockies.....gal. .51½- —
tanks, E. of Rockies....gal. .36 - —
W. of Rockies.....gal. .39½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.	lb.	1.75	- 2.00
Formate, dms.	lb.	.89	- —
Lactate, dms., l.c.l., dlvd.	lb.	.80	- —
Iodide, bots.	lb.	3.68	- 3.82
Salicylate, dms.	lb.	.35	- .37
cns.	lb.	.37	- .40
Violet toner, bbls.	lb.	.88	- —
permanent, bbls.	lb.	.80	- —
Methylamyl ketone, dms., works, l.c.l.	lb.	.25	- —
smaller containers, same basis,	lb.	.28	- —
Methylcellulose, dms., 100 lbs. or more, frt. alld.	lb.	.70	- —
less than 100 lbs., works.	lb.	.75	- —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies.	lb.	.25	- —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies.	lb.	.30	- —
Methylcyclohexanone, 98 - 100%, dms., works, frt, alld., E. of Rockies.	lb.	.58	- —
Methylene blue, medcl., kgs., 100 lbs.	lb.	2.00	- —
cns., 5 lbs.	lb.	2.35	- —
Chloride, dms., f.o.b. works.	lb.	.18	- .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	tp.	.07	- —
l.c.l., same terms.	lb.	.07½	- —
tanks, same terms.	lb.	.06	- —
Methylheptenone, bots.	lb.	2.45	- 3.00
Methylheptin carbonate, bots.	lb.	28.00	-44.00
Methylhexyl ketone, dms., tech., works.	lb.	.60	- —
Methylisobutyl ketone, dms., 55-gal., c.l., works.	gal.	.70	- —
l.c.l., works.	gal.	.80	- —
smaller containers, works.	gal.	1.00	- —
tanks, works.	gal.	.70	- —
Methylnaphthyl ketone, dom., cryst., bots.	lb.	3.25	- 3.39
imp., bots.	lb.	3.10	- —
Methylpropyl ketone, dms., c.l.	lb.	.20½	- —
l.c.l.	lb.	.21	- —
tanks	lb.	.19½	- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee.	ton.	9.00	- —
l.c.l., same basis.	ton.	11.00	- —
180 mesh, containers extra, c.l., same basis.	ton.	11.00	- —
l.c.l., same basis.	ton.	13.00	- —
250 mesh, containers extra, l.c.l., same basis.	ton.	20.00	- —
l.c.l., same basis.	ton.	15.00	- —
325 mesh, containers extra, c.l., same basis.	ton.	18.00	- —
l.c.l., same basis.	ton.	20.00	- —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works.	ton.	30.00	- —
l.c.l., 5,000 lbs., works,	ton.	40.00	- —
1,000 lbs., works.	lb.	.02	- —
500 lbs., works.	lb.	.02½	- —
100 lbs., works.	lb.	.03	- —
refined, bgs. extra and returnable, c.l., works.	ton.	20.00	- —
l.c.l., 5,000 lbs., works,	ton.	39.00	- —
paint, bgs., extra and returnable, c.l. works.	ton.	55.00	- —
l.c.l., 5,000 lbs., works,	ton.	65.00	- —
white, No. 1 quality, bgs., extra and returnable, c.l., works.	ton.	35.00	- —
l.c.l., 5,000 lbs., works,	ton.	45.00	- —
1,000 lbs., works.	lb.	.02½	- —
500 lbs., works.	lb.	.03	- —
roofing, bgs. extra and returnable, c.l., works.	ton.	29.00	- —
l.c.l., 5,000 lbs., works,	ton.	39.00	- —
paint, bgs. extra and returnable, c.l., works.	ton.	60.00	- —
l.c.l., 5,000 lbs., works,	ton.	70.00	- —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E.	lb.	.04½	- —
l.c.l., ex whse., or frt. alld. E.	lb.	.05	- —
paper, wall or coated, bgs., c.l., frt. alld. E.	lb.	.04¼	- —
l.c.l., ex whse., or frt. alld. E.	lb.	.04⅝	- —
rubber, bgs., c.l., frt. alld. E.,	lb.	.04¼	- —
l.c.l., ex whse., or frt. alld. E.	lb.	.04⅝	- —
wet-ground mica prices are ½c. per pound higher west of Rockies.			
Milk powder, skimmed, roller, bbls., c.l.	lb.	.07	- —
l.c.l.	lb.	.08	- —
spray, bbls., c.l.	lb.	.07½	- —
l.c.l.	lb.	.08½	- —
unskimmed, roller, bbls., c.l.,	lb.	.13½	- —
l.c.l.	lb.	.16½	- —
spray, bbls., c.l.	lb.	.16	- —
l.c.l.	lb.	.17	- —
Millet seed, yellow, bgs.	lb.	.02¾	- .03¼
early fortune, bgs.	lb.	.02½	- .03
hulled, bgs.	lb.	.05½	- .06
Mineral spirits (see Petroleum thinner and V M & P naphtha).			
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports.	gal.	.05½	- .06
Molybdate orange (see Orange, molybdate).			
Molybdenum metal, kgs., 99% powd.	lb.	2.60	- 3.00
Trioxide, pure, kgs., basis Mo. content, works.	lb.	1.60	- —
technical, kgs., basis Mo. content, works.	lb.	.80	- —
Monoamylamine, dms., c.l., wks.,	lb.	.52	- —
l.c.l. works.	lb.	.53	- .55
tanks	lb.	.50	- —
Monobutylamine, dms., c.l., wks.,	lb.	.50	- —
l.c.l., works.	lb.	.51	- .53
tanks, works.	lb.	.48	- —
Monochlorobenzene, dms., l.c.l.,	lb.	.06	- .08
Monoethanolamine, dms., c.l., works.	lb.	.24	- —
l.c.l., dms.	lb.	.25	- —
tanks	lb.	.23	- —
Monoethylamine, basis 100% amine content, dms., l.c.l., works,	lb.	.65	- —
Monoethylanilin, dms.	lb.	.77	Nom.
Monomethylamine, dms., c.l., dlvd.	lb.	.65	- —
l.c.l., dlvd.	lb.	.70	- —
Monomethylpara-aminophenol sulphate, dms.	lb.	3.75	- 4.00
Monosodiumphosphate (see Soda phosphate monobasic).			
Morphine, bots., 5 ozs.	oz.	11.10	- —
cns., 25 oz.	oz.	10.90	- —
Acetate, bots., 5 ozs.	oz.	9.00	- —
bots., 25 ozs.	oz.	8.80	- —
Ethylhydrochloride, bots., 5 ozs.	oz.	10.75	- —
cns., 25 ozs.	oz.	10.55	- —
Hydrobromide, bots., 5 ozs.	oz.	8.95	- —
cns., 25 ozs.	oz.	8.75	- —
Sulphate, bots., 5 ozs.	oz.	9.00	- —
cns., 25 ozs.	oz.	8.80	- —

Morpholine, dms., 55 gal., l.c.l., works.	lb.	.75	- —
smaller containers, works.	lb.	1.00	- —
Mullein leaves, cns.	lb.	.12	- .14
flowers, cns.	lb.	1.30	- 1.35
Musk, nat., Tonquin, grained, bots.	oz.	21.00	-22.00
pods, caddies, 20 ozs.	oz.	19.00	-21.00
synth, ambrette, cns., 100 lbs., or more.	lb.	3.65	- —
5 lbs. to 75 lbs.	lb.	3.80	- —
1 lb.	lb.	3.95	- —
ketone, cns., 100 lbs. or more,	lb.	3.70	- —
5 lbs. to 75 lbs.	lb.	3.95	- —
1 lb.	lb.	4.10	- —
xylol, cns., 100 lbs. or more,	lb.	1.05	- —
5 lbs. to 75 lbs.	lb.	1.15	- —
1 lb.	lb.	1.20	- —
Musk root, bls.	lb.	.40	- .45
Mustard seed, California, brown, bgs.	lb.	.09	- 09½
Danish, yellow, bgs.	lb.	.13	Nom.
Dutch, yellow, bgs.	lb.	.10½	- .11
English, yellow, bgs.	lb.	No stocks	
Roumanian, yellow, bgs.	lb.	.10	- .10½
Myrobalans, J1, bgs., f.a.s.	ton.	27.00	- —
J2, bgs., f.a.s.	ton.	22.00	- —
Extract, liquid, 25%, bbls.	lb.	No prices	
solid, 50%, bbls.	lb.	No prices	
powdered, 70%, bbls.	lb.	.06	Nom.

N

Naphtha, Painters (see Petroleum naphtha V. M. & P.).			
Solvent (see S).			
Naphthalene, crude, dom., 74 deg., bgs., c.l., works,	100 lbs.	2.25	Nom.
Naphthalene, crude, dom., bgs., bbls., l.c.l., works.	100 lbs.	2.50	Nom.
78 deg., bgs., c.l., works,	100 lbs.	2.50	Nom.
l.c.l., works.	100 lbs.	2.75	Nom.
import, bgs., c.i.f.	100 lbs.	2.90	Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.	lb.	.06¾	- —
50-lb. cs., same basis.	lb.	.07	- —
pkgs. (16 oz.), same basis,	lb.	.07½	- —
(12 oz.) same basis.	pkg.	.06	- —
chipped, crushed, bbls., same basis.	lb.	.06	- —
rice, cryst., powd., bbls., same basis.	lb.	.06¾	- —
Nerolin, cryst., cns.	lb.	1.25	- 1.35
Nickel carbonate, bbls.	lb.	.36	- .36½
Chloride, bbls.	lb.	.18	- .20
Cyanide, 100-lb. dms.	lb.	1.40	- —
25-lb. bot.	lb.	1.50	- —
Oxide, black, bbls.	lb.	.35	- .38
Salt, bbls.	lb.	.13	- .13½
Nicotine sulphate, 40%, dms., works, frt. alld.	lb.	.70	- —
10-lb. tins.	lb.	.86½	- —
Nitercake, bulk, works.	ton.	16.00	- —
Nitrobenzene, dbl. dist., dms., c.l.	lb.	.08	- —
l.c.l.	lb.	.09	- —
tanks	lb.	.07	- —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works.	lb.	.28	- —
bronzing, 20, 40, 70 sec. vis., bbls., works.	lb.	.29	- —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works.	lb.	.22	- —

Methyl Cinnamate—Nux Vomica

Nitrocellulose, ester soluble, 30-35 cps., ¼, ½ sec., bbls., dry weight, works.	lb.	.26	- —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works.	lb.	.20	- —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works.	lb.	.25	- —
lacquer, 20-30 and 60-80 sec., vis., bbls., works.	lb.	.29	- —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports.	unit-ton.	1.2158	- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.	unit-ton.	1.95	- —
f.o.b. Chemical, Ill.,	unit-ton.	1.95	- —
East Coast producing points.	unit-ton.	2.50	- —
import, bgs., c.i.f. Atlantic ports, shipt.	unit-ton.	2.40	- —
Nitronaphthalene, bbls.	lb.	.24	- .25
Nutgalls, Alleppo, bgs., cs.	lb.	.29	- .32
Chinese	lb.	.23	- —
Extract (see Gall extract).			
Nutmegs, 80s, bgs., cs.	lb.	.22	- .22½
110s, bgs., cs.	lb.	.20	- .20½
West Indian, bgs.	lb.	.09¾	- .10¼
Nux vomica, bls.	lb.	.05	- .06
powd., bbls., bxs.	lb.	.08	- .09

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BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Oakbark Ext.—Oil, Mineral

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde), natural, bots.....lb. 2.00 - 2.10
s.p.a., bots.....lb. 2.10 - 2.20
sweet, true, exp., cns....lb. .75 - .80
Amber, crude, cns.....lb. .30 - .35
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.42.00 -45.00
seed, bots.....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .68 - .70
Apricot, kernels, cns.....lb. .38 - .39
Babassu, tanks.....lb. .06½- —
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 5.25 - 5.50
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .25 - .26
rectified, cns.....lb. .75 - .80
Bois de rose, Brazil, cns....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cadjeput, tech., dms.....lb. .61 - .62
USP, IX, cns.....lb. .71 - .72
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .39 - .40
dms.....lb. .36 - .37
white, cns.....lb. .52 Nom.
dms.....lb. .50 Nom.
Cananga, native, cns.....lb. 1.60 - 1.65
rectified, cns.....lb. 1.85 - 2.00
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 2.50 - 2.75
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.25 - 1.30
Castor, blown, one-way dms., c.l..lb. .14¾ Nom.
l.c.l.....lb. .15½- —
cold pressed, USP, bbls., cl., lb. .13¾ Nom.
l.c.l.....lb. .14 - —
cns. (1-gal.), l.c.l.....lb. .17 - —
dms. (returnable), c.l...lb. .13 Nom.
l.c.l.....lb. .13¾- —
(5-gal.), l.c.l.....lb. .15 - —
tanks.....lb. .13½ Nom.
extracted No. 3, tech. bbls., c.l..lb. .12¾ Nom.
l.c.l.....lb. .13¼- —
dms. (returnable), c.l.....lb. .12¾ Nom.
l.c.l.....lb. .13¼- —
tanks.....lb. .12 Nom.
dehydrated, dms., c.l.....lb. .181 Nom.
l.c.l.....lb. .185 - —
tanks.....lb. .17½ Nom.
Castor oil, med. and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.
Sulphonated, 50%, (43% fat), dms., c.l..lb. .082 - —
l.c.l.....lb. .092 - —
75% (63% fat) dms., c.l..lb. .10¾- —
l.c.l.....lb. .11¾- —
80% (68% fat), dms., c.l..lb. .11 - —
l.c.l.....lb. .12 - —
Cedarleaf, cs.....lb. .80 - .85
dms.....lb. .75 - .80
Cedarwood, Oregon, cns., dms......lb. .28 - .30
Southern, cns., dms.....lb. .19 - .22
Celery, bots.....lb. 9.00 -10.00
Chaulmoogra, USP, cns., 500 lbs......lb. 1.00 - —
25 lbs.....lb. 1.25 - —
Chinawood, dms.....lb. .24½- .26½
tanks.....lb. .23¾- .25½
Cinnamon, Ceylon, bots.....lb. 9.25 -25.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .42 - .43
dms.....lb. .40 - .41
Java, cns., dms.....lb. .39 - .40
Clove, makers, USP, cns....lb. 1.25 - 1.30
dms.....lb. 1.20 - 1.25
Coconut, Manila, crude, tanks, lb. .03⅛ Nom.
edible, 76°, tax incl. dms. (returnable), c.l..lb. .07⅝- —
l.c.l.....lb. .08⅜- —
tanks.....lb. .07 - —
Cod, Newfoundland, shipt., un- untanked..gal. No prices
Norwegian, shipt., bbls...gal. .64 Nom.
Codliver, med., USP, bbls..bbl.50.00 Nom.
Coriander, bots.....lb.11.50 -12.50
Corn, crude, tanks, wks.....lb. .06½- .06¾
refd., bbls.....lb. .08½- .08⅝
Cottonseed, cooking, bbls.....lb. .08¾- —
salad, bbls.....lb. .09¼- —
import, Brazilian, semi-refd., bulk..lb. .0435 Nom.
Creosote (see C).
Croton, N.F., cns.....lb. 2.00 - 2.25
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.50 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 2.10 - 2.35
California, 24 plus, bulk...bbl. 1.55 -
Dill seed, bots.....lb. 4.00 - 5.50
weed, bots.....lb. 5.00 - 5.25
Dip (see L).
Erigeron, cns.....lb. 2.00 - 2.25
Eucalyptus, cns.....lb. .69 - .72
dms.....lb. .66 - .69
Fennel, sweet, cns.....lb. 2.25 - 8.00
Fuel, bunker, California, tide-water..bbl. .65 - .75
Gulf Coast.....bbl. .90 - .95
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday.....bbl. 1.50 - —
Tuesday.....bbl. 1.50 - —
Wednesday.....bbl. 1.50 - —
Thursday.....bbl. 1.50 - —
Friday.....bbl. 1.50 - —
Saturday.....bbl. 1.50 - —
North Texas, 18-22.....bbl. .72½- .77½
24-28, zero cold test....bbl. 1.00 - 1.10
Oklahoma, 18-22.....bbl. .72½- .77½
24-28, zero cold test.....bbl. 1.00 - 1.05
24-28, 15 and above.....bbl. .80 - .85
Pennsylvania, 36-40.....gal. .03⅞- .04
Furnace, Bayonne, 1, bulk, re-finery..gal. .0590- .06½
2, bulk, same basis.....gal. .0540- .0560
4, bulk, same basis.....gal. .0540- .0560
Louisiana - Arkansas, 32 - 36, light straw..gal. .03½- .03⅝
Oklahoma, 28-30.....gal. .03 - —
32-36.....gal. .03⅜- .03½
36-38.....gal. .03⅝- .03⅞
38-40 zero, 60 e.p.....gal. .03⅝- .04
Fusel (see F).

Oil, gas, Bayonne, bulk.....gal. .0540- .0560
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02⅝- .02¾
Oklahoma, bulk.....gal. .02⅝- .02¾
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 - 3.10
Bourbon, cns.....lb. 2.40 - 3.10
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.55 - 1.60
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 4.75 - 5.00
Guaiac wood, concrete, bots..lb. 2.50 - 2.55
Haarlem, imported, bots..gross. 5.00 - 5.50
Hemlock, cns.....lb. .65 - .70
Juniper berry, USP, cns.....lb. 2.00 - 2.25
wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, cns.....lb. .55 - .65
Lard, common, 1, bbls.....lb. .08 - —
2, bbls.....lb. .07⅞- —
extra, bbls.....lb. .08⅜- —
1, bbls.....lb. .08¾- —
winter, strained, bbls....lb. .08½- —
prime, burning, bbls.....lb. .09¼- —
prime, ined., bbls.....lb. .08¾- —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 2.15 - 2.20
Lavender flower, French, 50% ester, cns..lb. 5.25 - 5.30
38-42% ester, cns.....lb. 4.00 - 4.05
33-38% ester, cns.....lb. 2.75 - 2.80
30-32% ester, cns.....lb. 2.50 - 2.60
garden, cns.....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.85 - 1.90
dms.....lb. 1.65 - 1.70
Lemon, Calif., cns.....lb. 3.00 - —
Messina, coppers, cns.....lb. 3.85 - 4.50
Terpeneless, Type 1.....lb.10.75 -16.50
Type 2.....lb. 8.50 -14.50
Lemongrass, native, cns., dms......lb. .70 - .73

Oil, lime, dist., cns.....lb. 3.75 - 4.25
expressed, cns.....lb. 7.25 - 7.50
Terpeneless, Type 1.....lb.42.00 -46.50
Type 2.....lb.60.00 -78.00
Linaloe wood, cns.....lb. 1.35 - 1.40
Linseed, raw, bbls., c.l.....lb. .1080- .1100
l.c.l., 10 to 69.....lb. .1120- .1130
5 to 9.....lb. .1140- —
less than 5.....lb. .1160- —
tanks.....lb. .1020- .1040
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D. color 4, 0-10 pour, tanks..gal. .25 - —
15-25 pour, tanks..gal. .26 - —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .26 - —
15-25 pour, tanks..gal. .24 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .25 - —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .26 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .12 - —
180 vis., 5 color, tanks.gal. .14½- —
4 color, tanks.....gal. .14 - —
200 vis., 3 color, tanks.. gal. .15½- —
4 color tanks....gal. .15 - —
250 vis., 3 color, tanks.. gal. .16 - —
4 color, tanks.....gal. .15½- —

Oil, lubricating, at refinery (incl. U.S. tax 4c. per gal), Oklahoma, 280 vis., 3 color, tanks..gal. .17½- —
4 color, tanks....gal. .17 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600, 10-15 pour, tanks..gal. .28 - .32
25 pour, tanks..gal. .30 - .33
cylinder, 600 fire, tanks. gal. .17 - —
600 flash, tanks.....gal. .21 - —
630 flash, tanks.....gal. .23 - —
635 fire, tanks.....gal. .19 - —
650 fire, tanks.....gal. .20 - —
Warren, E, amber, tanks. gal. .23 - —
Warren, F., neutral, 150 vis., 3 color, tanks..gal. .25 - .27
180 vis., 3 color, tanks.gal. .27 - .29
200 vis., 2 color, tanks.gal. .27 - .32
spot, Penna., bright, bbls., c.l., f.a.s..gal. .28 - —
unfiltered, 600 s.r....bbls., f.a.s..gal. .23 - —
600 flash, s.r., bbls., c.l. gal. .25 - —
Penna., 630 flash, bbls., c.l., f.a.s..gal. .28 - —
Warren, E., bbls., c.l., f.a.s., gal. .26 - —
smaller lots, f.o.b..gal. .27 - —
Mace, dist., cns., dms.....lb. 1.80 - 1.85
Mandarin, superior, coppers..lb. 6.00 - 7.00
Menhaden, crude, tanks, f.o.b. Balto..gal. .34 Nom.
refd., alkali, dms.....lb. .0790- —
tanks.....lb. .0670- —
blown, dms.....lb. .0810- —
kettle-bodied, dms.....lb. .0910- —
light-pressed, dms.....lb. .0730- —
tanks.....lb. .0670- —
Mineral, white (see Oil, white mineral).

OUTSELLS
ALL OTHER BRANDS COMBINED
3 TO 1
Exchange
OIL OF LEMON
U·S·P·
Sold to the American Market Exclusively by
DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y.
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FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK, N. Y.
Distributors for
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA
PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO. CORONA CALIFORNIA

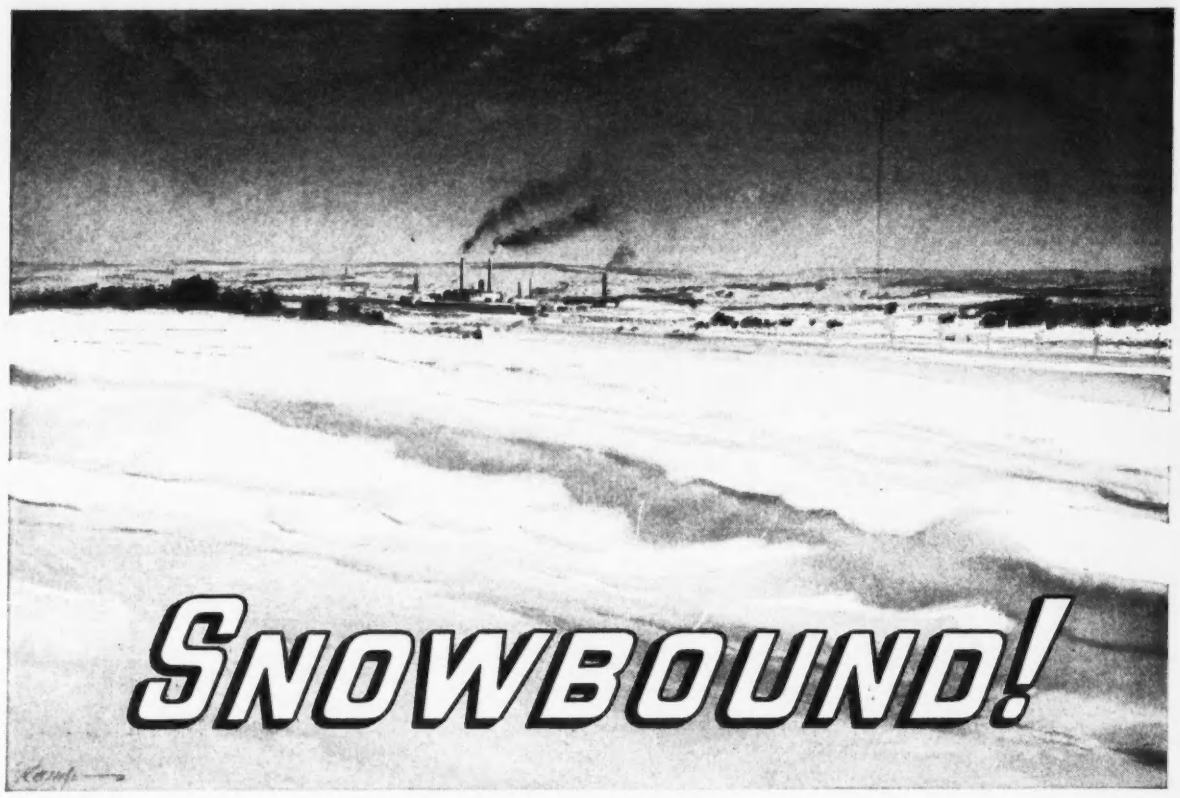
Oil, mustard, artif., USP, cns.	lb.	1.60 - 1.70
dist., natural, bots.	lb.	8.50 - 9.00
Neatsfoot, 20° cold test, bbls.,	lb.	.17½- —
extra, bbls.	lb.	.08¼- —
1, bbls.	lb.	.08 - —
prime, bbls.	lb.	.08¾- —
pure, bbls.	lb.	.13¼- —
sulphonated, common, 25% moisture, dms.	lb.	.10¼- —
Neroli, bots.	lb.	100.00 -150.00
Nutmeg, USP, cns., dms.	lb.	1.80 - 1.85
Officica, dms.	lb.	.18½- .19½
Oleo, 1, bbls.	lb.	.07¼- —
2, bbls.	lb.	.07 - —
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., dms.	gal.	.94 - .96
edible, dms.	gal.	1.85 - 1.95
foots, dms.	lb.	.08½- .08¼
sulphonated, 50% (42% fat), dms., c.l.	lb.	.09 - —
l.c.l.	lb.	.10 - —
75% (63% fat), dms., c.l.	lb.	.12 - —
l.c.l.	lb.	.13 - —
80% (68% fat), dms., c.l.	lb.	.122 - —
l.c.l.	lb.	.132 - —
Orange, sweet, dist., cs.	lb.	.90 - —
expressed, African, cns., dms.,	lb.	1.10 - 1.15
Calif., cns.	lb.	1.60 - —
Florida, cns.	lb.	1.15 - 1.20
Messina, USP, coppers.	lb.	3.80 - 5.00
West Indies, cns.	lb.	2.00 - 2.10
terpeneless	lb.	68.00 -69.00
Origanum, cns.	lb.	1.10 - 1.65
Orris, Florentine, concrete, extra strong, bots.	oz.	5.50 - 6.00
Palm, Niger, dms.	lb.	.04½- —
shipment	lb.	.03¾- —
softs, 12½%, bulk, shipt.	lb.	.02½- —
Sumatra, shipt., bulk	lb.	.02½- —
Palmarosa, cns.	lb.	2.25 - 2.50
Palmkernel, bulk, shipt.	lb.	No prices
Paraffin, 320° flash, 60-70 vis., tanks, G 3.	gal.	.05¼- —
350° flash, 70-80 vis., tanks, G. 3.	gal.	.05½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
360° flash, 100-110 vis., tanks, G. 3.	gal.	.05¾- —
Patchouli, bots., cns.	lb.	4.60 - 7.00
Peanut, crude, dom., tanks.	lb.	.06½- .06¾
refd., edible, bbls.	lb.	.09½- .09¼
Pennyroyal, dom., cns.	lb.	3.00 Nom.
import, cns.	lb.	2.75 - 2.80
Peppermint, natural, cns., dms.,	lb.	2.70 - 2.95
redist., USP, cns., dms.	lb.	2.95 - 3.20
Perilla, dms.	lb.	.20½ Nom.
tanks	lb.	.19½ Nom.
Petitgrain, Paraguay, cns.	lb.	1.55 - 1.60
Pimento berry, cns.	lb.	4.35 - 7.25
leaf, cns.	lb.	2.40 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.53 - .56
steam-dist., dms.	gal.	.59 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	1.30 - 1.35
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Bost., Provid.	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, blown, bbls.	lb.	.17 - .17⅛
denat., bbls.	gal.	1.00 - 1.05
Red, dist. or saponif., dms., dlvd.	lb.	.07½- .08½
tanks, dlvd.	lb.	.07 - —
Rose, artif., bots.	oz.	2.00 - 2.25
natural, coppers.	oz.	5.25 -22.50
Rosemary, Spanish, cns.	lb.	.75 - .80
dms.	lb.	.70 - .75
Rosin, 1st rectfd., dms.	gal.	.50 - —
2d rectfd., dms.	gal.	.52 - —
3d rectfd., dms.	gal.	.56 - —
Rue, bots.	lb.	3.00 - 3.25
Sage, cns.	lb.	2.75 - 3.00
Sandalwood, E. I., USP, cns.	lb.	5.25 - 5.50
Mysore, cns., case lots.	lb.	5.50 - 5.75
Sardine, crude, tanks, Pac. Cst.	gal.	.37 Nom.
refd., alkali, dms.	lb.	.0790- —
tanks	lb.	.0730- —
kettle-bodied, dms.	lb.	.0910- —
light-pressed, dms.	lb.	.0730- —
tanks	lb.	.0670- —
Sassafras, artif., cns.	lb.	.73 - .74
dms.	lb.	.70 - .71
natural, cns., dms.	lb.	1.20 - 1.25
Savin, cns.	lb.	3.15 - 3.20
Savory, cns.	lb.	2.00 - 2.25
Sesame, refd., dom., dms.	lb.	.16 Nom.
Shingle stain, bbls., c.l., wks.,	gal.	.19 - —
l.c.l., works.	gal.	.20 - —
tanks, works.	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	9.50 -10.00
Soybean, dom., crude, dms.	lb.	.06¾- .07⅜
tanks	lb.	.06 - —
refd., dms.	lb.	.07¾- .08¼
tanks	lb.	.07 - .07¼
Spearmint, dms.	lb.	2.15 - 2.20
Sperm, bleach, 38° dms.	lb.	.1030- —
45°, dms.	lb.	.0960- —
natural, dms.	lb.	.0910- —
Spruce, cns., dms.	lb.	.65 - .70
Sweet, birch, North, cns.	lb.	2.25 - 2.65
South, cns.	lb.	1.45 - 1.50
Tall, crude, dms., c.l., works,	ton.	40.00 - —
l.c.l., works	ton.	45.00 -50.00
tanks, works	ton.	30.00 - —
distilled, dms., c.l., dlvd.	lb.	.05½- .07
l.c.l., dlvd.	lb.	.06½- .08¼
tanks, dlvd.	lb.	.05 - .06¾
refined, dms., c.l., works.	lb.	.04 - —
l.c.l., works	lb.	.04¼- —
tanks, works	lb.	.03½- —
Tallow, acidless, bbls.	lb.	.08 - —
tanks	lb.	.07½- —
Tansy, cns.	lb.	6.25 - 6.50
Tar, pine, com'l, dms., dlvd. E. cities.	gal.	.26 - —
E. ports.	gal.	.25 - —
tanks, dlvd. E. cities.	gal.	.20 - —
rectfd., USP, bbls., dlvd., E. ports.	gal.	.59 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.12¼ Nom.
Tea Tree (see Oil, Ti tree).		
Thyme, NF, red dms.	lb.	.80 - 1.75
white, dms.	lb.	.95 - 1.95
Tung (see Oil, chinawood).		
Ti tree, cns.	lb.	2.30 - 2.80
Turkey red (see Oil, castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	7.50 Nom.
Valerian, bots.	lb.	8.00 - 9.00
Vetiver, bots.	lb.	8.50 -15.00
Whale, ref., natural, dms.	lb.	.0910- —
winter, bleach, dms.	lb.	.0950- —
Wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., dms., tech., 50-60 vis., dms.	gal.	.33 - .34
65-75 vis., dms.	gal.	.40 - .46
80-90 vis., dms.	gal.	.41 - .47
USP, 80-90 vis., dms.	gal.	.44½- .50
95-105 vis., dms.	gal.	.57 - .58
125-135 vis., dms.	gal.	.64½- .65⅛
140-150 vis., dms.	gal.	.67 - .69
175-185 vis., dms.	gal.	.72½- .73⅛
200-210 vis., dms.	gal.	.74½- .75⅛
320-330 vis., dms.	gal.	.78 - .81
335-345 vis., dms.	gal.	.81 - .82
Oil, white, mineral, Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.00 - 8.00
South, cns.	lb.	3.05 - 3.75
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	4.30 - 4.40
Wormwood, cns.	lb.	6.00 - 6.25
Ylang-ylang, Bourb., bots., cns.	lb.	2.50 - 2.75
Manila, bots.	lb.	18.00 -24.00
Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
ground, 325 mesh, c.l., mines,	ton.	20.00 - —
200 mesh, c.l., mines	ton.	17.00 - —
100 mesh, c.l., mines	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium USP, cns.	lb.	11.50 -12.50
gran., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50
Orange Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Colo., Mont., N. M., Wyo.	lb.	.11 - —
Other points.	lb.	.10½- —
Orange, mineral, Amer., bbls., smaller lots, dlvd., Ala., etc.	lb.	.11¼- —
Ariz., etc.	lb.	.11¾- —
Colo., Mont., N. M., Colo., Mont., N. M., Wyo.	lb.	.11½- —
Other points.	lb.	.11 - —
Orange mineral, French, Tours, casks, ex dock	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.50 - .65
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.12 - .13
Orris root, Florentine, bgs.	lb.	.14 - .17
fingers, cs.	lb.	1.15 - 1.20
powd., bbls., bxs.	lb.	.21 - .22
Verona, bls.	lb.	.15 - .16
powd., bxs., cs.	lb.	.19 - .20
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloroanilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16 - —
l.c.l., same basis	lb.	.16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 - —
l.c.l., same basis	lb.	.07 - —
100-lb. tins, same basis.	lb.	.08 - —
50-lb. tins, same basis.	lb.	.09 - —
tanks, same basis.	lb.	.05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Orthotoluidin, dms.	lb.	.19 - —

Oil, Mustard—Paraffin

Osage orange extract, cryst., bbls.,	lb.	.21 - —
liquid, 42°, bbls.	lb.	.09 - —
51°, bbls.	lb.	.10 - —
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.65 - 4.00
Orthotoluene hydrochloride, dms.	lb.	.22 - —
Sulphonate, kgs.	lb.	2.00 - 2.05

P

Papain, powd., cs.	lb.	1.50 - 1.60
Paprika, Bulgarian, bgs.	lb.	.22¾- .23½
Hungarian, extra fancy, bgs.	lb.	.33 - .34
medium, bgs.	lb.	.29½- .30
Portuguese, extra fancy, bgs.	lb.	.31½- .32
fancy, bgs.	lb.	.30½- .31
Spanish, extra fancy, cs.	lb.	.37 - .38
Parachlorophenol, dms.	lb.	.32 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .15⅛
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.05¼- —
bbls., c.l., N.Y.	lb.	.04¾- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.05¼- .05½
bbls., c.l., N.Y.	lb.	.04¾- .0485
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.04¾- —
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.0660- —
loose, c.l.	lb.	.0625- —



But Operating As Usual . . . Thanks To

SKELLY SERVICE!

SKELLYSOLVE *in the* OIL, PAINT *and* DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for every laboratory and industrial use. We furnish a complete line of V. M. & P. naphthas, mineral spirits and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved of great value. Write or wire for full information today.

A USER of solvents in a northern city was once forced to shut down because heavy snowstorms made it impossible to get tank cars switched into the plant. Each winter since then had been overshadowed by the dread possibility of a repetition of this costly experience.

Then Skelly entered the picture, and the problem was solved. Each fall we place an emergency stock of Skellysolve in our bulk plant located in that city. In case of a severe storm crippling railroads and interfering with switching, there is a reserve supply of solvent in our bulk plant ready for quick local delivery to keep the customer's plant in operation, a constant protection against costly shutdown.

Of course, snowstorms may not be your problem. But undoubtedly there are times when *dependability of supply* is just as important to you as it is to the firm indicated above. Skelly has many *different* ways of assuring you of this *dependability*.

The quality of the product is important, too, of course! But it's in going *beyond* this point that Skelly has built its reputation. No service has proved itself until it has demonstrated its ability to *function in emergencies!* Solving intricate technical problems for users, sending out trained "trouble shooters" when unforeseen difficulties develop . . . that's how Skellysolve has given meaning to the familiar phrase: "Dependable Skelly Service!"

So . . . no matter what type of solvent you are now using, take the time to investigate Skellysolve!

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago, Ill.

A. Ernest MacGee, *Manager*

WIRE OR WRITE TODAY FOR INFORMATION OR PRICES!

Paraffin—Quinine

Paraffin, fully refd., slabs, 125-A.m.p., bgs., c.l..lb. .0675- —
loose, c.l.....lb. .0640- —
128-130 A.m.p., bgs., or loose, c.l..lb. .0680- —
131-133 A.m.p., bgs., or loose, c.l..lb. .0705- —
133-135 A.m.p., bags or loose, c.l..lb. .0730- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0755- —
138-140 A.m.p., bgs., or loose, c.l..lb. .0830- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0925- —
151-153 A.m.p., bgs. or loose, c.l..lb. .70 Nom.

Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is 5c. lower.

match, A.m.p. up to and incl. 110-112 bbls. c.l..lb. .06¼ Nom.
semirfd., solid., 122-124 A.m.p., bgs..lb. .06½ Nom.
Paraformaldehyde, dms., 1,000 lbs., or more shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .54 - —
100 to 900 lbs. shipments, same basis..lb. .55 - —
Paraldehyde, tech., 98%, 55 and 100 gal. dms., c.l., works, l.c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11¼- —
6 and 10-gal. dms., works...lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranisidine.. dms.....lb. .75 - —
Paranitroaniln, kgs., works...lb. .47 - —
Paranitrochlorobensene, kgs....lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .18 - .20
Paris green, dealer, dms., bbls. c.l., f.o.b. works, frt. alld. lb. .23 - .25
less car lot, same basis.lb. .24 - .26
Passion flower, herb, bls.....lb. .07 - .09
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .28 - .29
Pennyroyal leaves, bls.....lb. .15 - .16
Pentanes norm., 26-38°, dms., c.l., G.S..gal. .11½- —
l.c.l., G.S.....gal. .14 - —
tanks, G.S.....gal. .06½- —
laboratory grade, dms., c.l., G.S. gal. .14 - —
l.c.l., G.S.....gal. .25 - —
Pepper, black, Aleppey, bgs...lb. .07¾- .08¼
Lampong, bgs.....lb. .04 - .04¼
Tellicherry, bgs.....lb. .07¾- .08
Red, chillies, Japan, Hontaka.lb. .17 - .17½
Mombassa, bgs.....lb. .27 - .28
White, Java, Muntok, bgs...lb. .07½- .08
Saigon, bgs.....lb. .07½- .08
Peppermint leaves, dom., bls..lb. .35 - .40
import, bls.....lb. .45 - .50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. 1.05 - 1.10
Petrolatum, amber, dms., c.l..lb. .03¾- —
l.c.l.....lb. .04¾- —
amber, extra, dms.....lb. .04 - —
l.c.l.....lb. .05 - —
veterinary, dms., c.l.....lb. .03¾- —
white, cream, dms., c.l.....lb. .05¼- —
l.c.l.....lb. .06¾- —
lily, dms., c.l.....lb. .06¼- —
l.c.l.....lb. .07¾- —
snow, dms., c.l.....lb. .07¼- —
l.c.l.....lb. .08¾- —
Petroleum, crude, bulk, at wells:—
California.....bbl. .60 - 1.75
Canada.....bbl. 2.10 - 2.17
Central West:—
Illinois.....bbl. .53 - 1.00
Lima.....bbl. .90 - —
Michigan.....bbl. .32 - 1.02
Princeton.....bbl. 1.05 - —
East Texas.....bbl. 1.10 - —
Gulf Coast.....bbl. .74 - 1.41
Kentucky, Tennessee.....bbl. 1.02 - 1.10
Louisiana, Arkansas.....bbl. .73 - 1.20
Mexico.....bbl. No prices
Midcontinent:—
North Texas.....bbl. .51 - 1.10
Oklahoma-Kansas.....bbl. .58 - 1.10
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany....bbl. 2.75 - —
Corning.....bbl. 1.17 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.70 - —
Eureka lines.....bbl. 2.34 - —
N. Y. Transit lines, bbl. 2.75 - —
S. W. Penn lines...bbl. 2.40 - —
lower district in National Transit lines.bbl. 2.63 - 2.75
Rocky Mountains.....bbl. .51¼- 1.30
South Central and Southwestern Texas..bbl. .73 - 1.27
Texas Panhandle.....bbl. .67 - .96
West Texas.....bbl. .53 - .96
Ether, 30-60°, dms., c.l., G.S. gal. .14½- —
l.c.l., G.S.....gal. .25½- —
tanks, G.S.....gal. .13½- —
35-60°, dms., l.c.l., G.S....gal. .30¼- —
40-75°, dms., c.l., G.S....gal. .14½- —
l.c.l., G.S.....gal. .25½- —
tanks, G.S.....gal. .13½- —
laboratory grade, dms., c.l., G.S..gal. .14½- —
c.l., G.S.....gal. .25½- —
10-gal. lots, G.S.....gal. .50½- —
Lacquer, diluent, at refinery:—
California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond.....gal. .11 - —
Willbridge, Ore., Ft. Wells, Wash..gal. .12 - —
East Coast, tanks.....gal. .09½- .10
Group 3, toluol type, tanks.. gal. .07¾- —
benzol type, tanks.....gal. .07¾- —

Petroleum, naphtha, cleaners', at refinery:—
East Coast, tanks.....gal. .09 - .10¼
Group 3, tanks.....gal. .06¾- .07
tankwagon, Boston, ex tax. gal. .13½- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .18 - —
Decatur, inc. 4c. tax..gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax, gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490- .1500
Oklahoma City, ex tax.gal. .16¼- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15¼- —
Syracuse, 150 gals.....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
milk cans.....gal. .21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .18 - —
2, over 90% arom., same basis..gal. .19 - —
3, same basis.....gal. .20 - —
8, tanks, f.o.b. Paulsboro, N. J...gal. .15¼- —
30, same basis.....gal. .16¼- —
40, same basis.....gal. .16¾- —
v.m.&p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal. .11¼- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10¼- —
Portland, Seattle.....gal. .11 - —
East Coast, tanks.....gal. .09¼- —
Group 3, tanks.....gal. .06¾- .07
tankwagon, Boston, ex tax, gal. .14¼- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Ind., ex tax, gal. .1520- .1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490- .1500
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax.gal. .1570- —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- —
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .06¾- .07
standard, 180 i.b.p., 288 e.p., tanks..gal. .06¾- .07
Stoddard (CS 8-38), at refinery:—
East Coast, tanks.....gal. .08¾- .09½
Group 3, tanks.....gal. .06¾- .06½
tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax.gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax...gal. .11 - —
New York, ex tax.....gal. .09½- —
Omaha .....gal. .1360- .14½
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax.gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Thinners, at refinery:—
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles..gal. .08½- —
Portland .....gal. .09½- —
San Francisco.....gal. .09 - —
Seattle .....gal. .09½- —
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles..gal. .13 - —
Portland .....gal. .14 - —
San Francisco.....gal. .13 - —
Seattle .....gal. .14½- —
East Coast, 43-47, tanks..gal. .08¾- .09½
47-49, tanks.....gal. .10¼- —
New Jersey, tanks....gal. .09 - —
Group 3, tanks.....gal. .06¾- —
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11¼- —
Buffalo .....gal. .15¼- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul...gal. .19¼- —
Newark .....gal. .09½- —
New York (200 gals.)..gal. .09½- —
Omaha .....gal. .1360- .1460
Philadelphia .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .13 - —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots, or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13 - —
l.c.l., same basis.....lb. .13¾- —
under 1,000 lbs.....lb. .14¾- —
tanks, works.....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .90

Phenolphthalein, yellow, fib. dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms. .....lb. .87 - —
50-lb. kgs. .....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
hydrochloride, CP., bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines.. long ton. 2.15 - —
72% min., bulk, mines, long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .13 - .14
Pilocarpine hydrochloride, bots., vls..oz. 4.25 - 4.30
Nitrate, bots., vls.....oz. 4.15 - 4.20
Pimento, bgs.....lb. .19 - .20
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .53
Root bark, bgs.....lb. .47 - .48
Poppy flowers, red, bls.....lb. 1.00 - 1.15
Seed, Dutch, bgs.....lb. .13 - .13½
Hungarian, bgs.....lb. No stocks
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .32 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. No prices
kgs., 100 lbs.....lb. No prices
gran., bbls., 250 lbs.....lb. No prices
kgs., 100 lbs.....lb. No prices
Bichromate, spot., c.l., works, lb. .08¾- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls. 500 lbs..lb. .81 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10½- .12
gran., kgs.....lb. .12 - .14½
powd., kgs.....lb. .10 - .12½
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP., gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz. 14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 -1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots., or cns.....lb. 1.44 - 1.70
dms. .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports..unit-ton. .58½- —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 17.55 - —
Metabisulphite, kgs.....lb. .13 - .15
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .53½- —
import, all strengths, min. 60% KCl, basis 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 26.75 - —

Potash, muriate, import., basis 60% K_2O, bulk, ex-vessel, Atlantic or Gulf ports, ton. 32.10 - —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs...lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .38 - .45
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100 lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100 lb. kgs.....lb. .21 - —
tech., 90-95%, min. 90%, bgs., ex-vessel, Atlantic or Gulf ports..ton. 36.25 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt., ton. 24.75 - —
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .45 - —
Prickly ash bark, bls.....lb. .15 - .16
Berries, bgs.....lb. .30 - .35
Prince's pine herb, bls.....lb. .25 - .26
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .30 nom.
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works....lb. .04½- —
F and 1, bbls., 2 or over, works..lb. .04 - —
less than 2, works....lb. .04½- —
O, O-½, O-¾, and ½, bbls., 3 or over, works.....lb. .04½- —
less than 3, works....lb. .04½- —
Ital.-grd., bgs., c.l., shipt., ex dock, N. Y..ton. 30.00 Nom.
l.c.l., 5-29 tons, ex whse., ton. 44.00 Nom.
1,000-10,000 lbs., ex whse..ton. 46.00 Nom.
2 bgs., to 1,000 lbs., ex whse, ton. 48.00 Nom.
single bgs., ex whse. ton. 60.00 Nom.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.60
(30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless..gal. 10.65 -11.00
Flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. 12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh., c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton. 12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis....ton. 10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works...lb. .04 - —
tanks, works.....lb. .03¼- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net, dlvd., N.Y..flask. 172.00 -175.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask. 207.00 - —
ex store.....flask. 209.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns.....oz. 1.03 - —
powd., precip., cns.....oz. .96 - —
Sulphate, cns.....oz. .69 - —

Subject to surcharge of 3c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.....oz. .80 - —
Acetate, cns.....oz. 1.02 - —
Arsenate, cns.....oz. 1.02 - —
Arsenite, cns.....oz. 1.04 - —
Bisulphate, cns.....oz. .57 - —
Citrate, cns.....oz. .75 - —
Dihydrobromide, bots.....oz. .78 - —
Dihydrochloride, bots.....oz. .78 - —
Ethylcarbonate, cns.....oz. .80 - —
Ferrocyanide, cns.....oz. 1.04 - —
Formate, cns.....oz. .97 - —
Glycerophosphate, cns.....oz. 1.17 - —
Hydrochloride, cns.....oz. .72 - —
Hydrochlorosulphate, cns...oz. .78 - —
Hydroiodide, cns.....oz. 1.02 - —
Hypophosphite, cns.....oz. 1.03 - —
Phosphate, cns.....oz. .86 - —
Salicylate, cns.....oz. .76 - —
Sulphate, USP, X, cns.....oz. .57 - —
USP, XI, cns.....oz. .64 - —

Quinine, sulphocarbolate, cns..oz. 1.03 - —
Tannate, cns.....oz. .60 - —
Tartrate, cns.....oz. 1.00 - —
Valerate, cns.....oz. .96 - —

Quinine buyers must pay a surcharge of 3c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .78 - —

Subject to surcharge of 3c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch black, bgs.....lb. .07 - .07¼
red, bgs.....lb. .12 - .12½
Japanese, bgs.....lb. .06½- .07
Raspberries, dried, bls.....lb. .65 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .60 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works..lb. 2.50 - —
light, works.....lb. 2.25 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¾- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin, lake, contracts.lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09½- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio.....lb. .08¼- —
80% copperas oxide, bbls., same basis...lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04¾- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05¾- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03¾- —
Toluidine toner, kgs., same basis alizarin lake—lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 2.46 - 2.81

Red dyes are listed under Dyes.

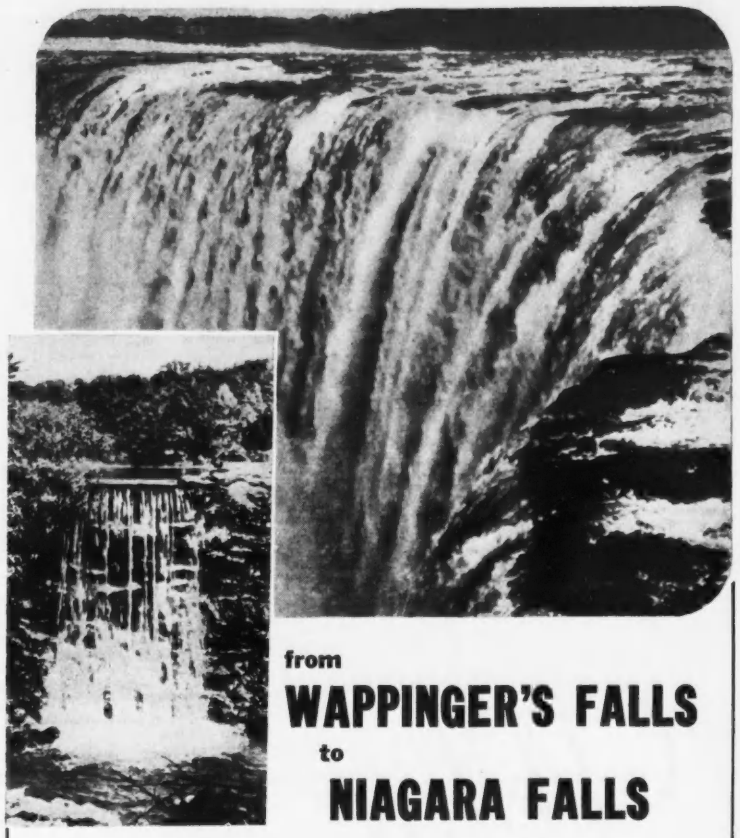
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more...lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works.....lb. 1.50 - 1.55

Quinine Sulpho.—Silver Bullion

Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.55 -10.90
Rhubarb, bots.....lb. .65 - .66
powd., bbls., kgs.....lb. .70 - .71
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .23¾- —
smaller lots.....lb. .24¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .22¾- —
smaller lots.....lb. .23¼- —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 2.75
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .07 - .08
Rosin, gum, bbls., ex dock 280 lbs. 5.45 - —
D, bbls.....280 lbs. 5.60 - —
E, bbls.....280 lbs. 5.90 - —
F, bbls.....280 lbs. 6.20 - —
G, bbls.....280 lbs. 6.20 - —
H, bbls.....280 lbs. 6.20 - —
I, bbls.....280 lbs. 6.20 - —
K, bbls.....280 lbs. 6.22½- —
M, bbls.....280 lbs. 6.25 - —
N, bbls.....280 lbs. 6.45 - —
W. G., bbls.....280 lbs. 6.65 - —
W. W., bbls.....280 lbs. 7.35 - —
X, bbls.....280 lbs. 7.35 - —
Rosin, wood, bbls.....280 lbs. 4.65 - 6.40
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 Nom.
l.c.l., f.o.b. mines.....ton.37.50 Nom.
import, lump, bbls.....lb. .14 Nom.
powd., bbls.....lb. .08¼- .10
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .29 - .30
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.28.00 -30.00
Safrol, cns.....lb. 1.05 - 1.10
dms.....lb. 1.00 - 1.05
Sage, Dalmatian, stemless.....lb. .06¾- .09¼
garden, bls.....lb. .09¾- .10
Sago flour, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns,, 25 lbs.....lb. 7.00 - —
Saloi, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.15.70 - —
l.c.l., dlvd., N. Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons, 100 lbs. 7.10 - —
1-9 tons.....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo.135.00 -145.00
Saponin, crude, cns.....lb. 2.25 - 2.50
purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .40 - .41
Mexican, bls.....lb. .16 - .17
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bbls.....lb. .14 - .15
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin., lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt..lb. .18¾- —
smaller lots.....lb. .19¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .19¼- —
smaller lots.....lb. .19¾- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls.....lb. .15 - .16
siftings, bgs.....lb. .14 - .15
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .85 - .90
Shellac, bleached, bonedry, bbls., f.o.b., N.Y...lb. .25 - .26
dlvd., Boston.....lb. .25½- .26½
Chicago.....lb. .25¾- .26¾
Pacific Coast.....lb. .28 - .29
refd., bbls., f.o.b., N.Y.....lb. .31 - .32
dlvd., Boston.....lb. .31½- .32½
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
Garnet, bgs.....lb. .20½- .21
Orange, D.C., VSO., Diamond I, cases..lb. .26½- .27
Superfine, bgs., f.o.b. Bost., N. Y...lb. .15½- .16
dlvd., Chicago.....lb. .16 - .16½
Pacific Coast.....lb. .18½- .19
T.N., bgs., f.o.b. Bost., N.Y.lb. .14½- .15
dlvd., Chicago.....lb. .15 - .15½
Pacific Coast.....lb. .17½- .18
Varnish, Metro., area, orange, 5-lb. cut., bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works.ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works.ton.35.00 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works... ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
bgs., l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —



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cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .28½- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skatol, bots.....lb. 75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 10.00 -15.00
Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .14 - .16
crushed, bls., bbls.....lb. .18 - .20
cut, German, bls., bbls.....lb. .35 Nom.
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .21 - .23
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .71 - .96
Antimoniate, bbls.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¼- .09¾
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c. l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N.H. and Vt. special local zone prices apply for ship't to various counties. Zone 2, Ark., East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa, (except Davenport) Ga., Minn., Mo. (except St. Louis) N. and S.C., and Tenn. Zone 3, Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso) N. and S.D., Okla., Ark., W. of 98° Meridian. Zone 4, El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N.M., Utah and Wye.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
4,000 lbs. or more.....lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works.. lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¼- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
66 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
solution, 85 deg., bbls., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
44 deg., bbls., works, 100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber drms., 100 lbs.....lb. .32 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70

Soda, caustic, electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works...lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
Citrate, USP, VIII, gran., bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100lb. lots.....lb. .25 - —
Citrate, USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Cyanide, gold, 46% gold, bots., works..oz. 15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
Fluoride, white, 90%, bbls., l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd..100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works, lb. 3.10 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots.....lb. 2.41 2.47
Mandelate, bots., 5 lbs.....lb. 3.80 - —
fib. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.30
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N. Y....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton. 29.00 - —
200 lb. bgs., same basis.ton. 28.30 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- — c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼

Soda nitrite l.c.l. price range represents delivery at various points.

Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate, briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
460 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —

Soda phosphate, monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhy., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.60
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd., N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and Caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd., N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No price
import, bbls.....lb. .06½ Nom.
Stannate, dms.....lb. .31½- .34½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
Sulphite, powd., bbls., c.l., 100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks., gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
High-flash, dms., works, frt. alld..gal. .31 - —
tanks, came basis.....gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l. .....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .13¾- —
l.c.l., works.....lb. .14 - —
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .21 - .22
Spruce extract, reg., bbls., c.l., worksslb. .01¾- —
tanks, works.....lb. .01½- —
Spruce extract, powd., super, bgs., c.l., works..lb. .04 - —
super, bbls., c.l., works....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .15 - .16
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .09 - .11
inedible, bls.....lb. .07 - .09
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.70 - —
dlvd., N. Y.....100 lbs. 3.05 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.80 - —
dlvd., N. Y.....100 lbs. 3.15 - —
Potato, dom., bgs.....lb. .05½- .06
import, bgs.....lb. .06½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Sweetpotato, bgs.....lb. .05½- .06
bbls.....lb. .06 - .06½
Wheat thick, boil, bgs.....lb. .06½ Nom.
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .28 - .30
Stearin, oleo, bbls.....lb. .06 - .06¼
Stillingia root, bls.....lb. .07¼- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .18 - .19
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib. dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100%, precip., bbls, lb. .23 - —
Chloride, tech., bbls.....lb. .18½- —
Iodide, bots., 5 lbs.....lb. 3.00 - —
jars, 25 lbs.....lb. 3.06 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Styalyl acetate, bots.....lb. 6.75 - 7.00

Silver Cyanide—Tamarind

Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots.. oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100 oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls, l.c.l., works.lb. .45 - —
tech, bbls, l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .65 - 1.05
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25 lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts, long ton. 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —
flowers, bgs., c.l., works..... 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works.....100 lbc. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l. bgs., works.....100 lbs. 2.60 - 2.80
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.95
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works.....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.58 - 3.98
heavy, bgs., c.l., works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.99 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.23 - 3.65
light, bgs., c.l., works..160 lbs. 2.03 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99¼%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l.... 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis 100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works, lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07¼- .10
multi-unit cars, works..lb. .07¼- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. 130.00 - —
leaf, f.a.s.....ton. 130.00 - —
Extract, 42°, bbls.....lb. .06 - .06¼
51° bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills.....ton. 17.00 - —
N. Y., fibrous, 96-94%, 325 mesh, bgs., c.l., mills, ton. 14.00 -16.00
l.c.l., mills.....ton. 16.00 -1800
96-98%, 325 c.l., mills..ton. 15.00 -17.00
l.c.l. mills.....ton. 17.00 -19.00
98-99½%, 325 mesh bgs., c.l., mills..ton. 15.25 -17.25
l.c.l., mills.....ton. 17.25 -19.25
fibrous, 90.85-99.95%, 325 mesh, bgs., c.l., mills..ton. 17.00 -19.00
coarse, off color, bgs., c.l., mills..ton. 11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills.....ton. 24.50 - —
Vermont, bgs., c.l., mills ton. 14.00 - —
l.c.l., ex whse.....ton. 25.00 - —
Canad., bgs., c.l., mills...ton. 11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton. 45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton. 23.00 -25.00
l.c.l. ex whse.....ton. 27.50 -35.00
Italian, 1, bgs., ex dock, arrival, ton. 67.00 -70.00
ex whse.....ton. 75.00 -78.00
2, bgs., ex dock, arrival..ton. 64.00 -67.00
Tallow, animal, edible.....lb. .05¼ Nom.
extra, loose.....lb. .04¾- —
special, loose.....lb. .04¾- —
sulphonated, 85% (24% fat), dms., c.l...lb. .03¾ Nom.
l.c.l. .....lb. .04¾ Nom.
50% (43% fat), dms., c.l., lb. .05¼ Nom.
l.c.l. .....lb. .06¼ Nom.
50% (48% fat), dms., c.l..lb. .05¾ Nom.
l.c.l. .....lb. .06¾ Nom.
kegs .....keg. 6.00 - 8.00
Tamarind, No. 1, bbls.....lb. .07 - .08

Tankage—Zinc Oxide

Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 2.65 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 2.65 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.85 & .10
high-grade feeding, bulk, Chicago..unit-ton. 2.85 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l. bulk, c.i.f. ports, March shipt..unit-ton. 3.10 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .02¾- .04½
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .26 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms, c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .29 - —
l.c.l. .....gal. .27 - —
tanks, dlvd, E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, kgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .23 - —
dms .....lb. .25 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .06 - .06½
Tetrachloroethylene, CP, dms..lb. .21½- — tech. (see Perchlorethylene).
Tetralin, dms.....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms., cns.....lb. 2.00 - 2.25
Sodiosalicylate, cns.....lb. 1.95 - —
dms. .....lb. 1.75 - 1.80
5-lb. bots.....lb. 2.11 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .17½- .18
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .43 - .45½
Crystals, bbls., kgs.....lb. .36½- .37
Metal, Straits.....lb. .47½- —
Oxide, bbls.....lb. .51 - .53
Tetrachloride, anhyd., bbls...lb. .23¼- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse.lb. .13¼- —
l.c.l., 1,000-9,999 lbs., E. frt. pd..lb. .13½- —
Pac. Cst., ex whse..lb. .13½- —
50-999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse..lb. .13¾- —
under 50 lbs., E. frt. pd., lb. .14 - —
Pac. Cst., ex whse..lb. .14 - —
bbls., c.l. (20 tons), frt. pd. lb. .13¼- —
Pac. Cst., ex whse....lb. .13¼- —
chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15¼- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd. lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
barium or magnesium base, bgs., c.l., D. frt. alld., lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse..lb. .05¼- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse..lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. cst., ex whse.....lb. .05¼- —
under 50 lbs., E., dvid....lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. cst., ex whse.....lb. .05½- —
under 50 lbs., E. dlvd....lb. .06¼- —
Telidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.05 - 1.10
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld., gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31½- —
tanks, E. of Omaha, frt. alld., gal. .26¼- —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brasilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .85 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N, D. Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev. Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. No stocks
powdered, bgs.....lb. .18 - .18½
Madras, bgs.....lb. No stocks
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .33¾- —
l.c.l., 10 ex dock.....gal. .35¾- —
5 ex dock.....gal. .37¾- —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .29 - .31
tanks, dlvd. E. cities....gal. .25 - —
steam-dist., dms., c.l., dlvd.gal. .31 - —
l.c.l., dlvd.....gal. .34 - —
tanks, dlvd.....gal. .26 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 3.05 - —
yellow, kgs.....lb. 2.00 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.35.00 - —
5 tons f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.35.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.35.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports ur Belle, W. Va., shipt..ton.35.00 - —
46% N., bgs., smaller lots, f.o.b. N. Y. from whse., ton.101.00 - —
purc., cs.....lb. .13 - —
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
imported, 40% N_2, bgs., Jan. shipt..ton.56.25 - —
Urea, nitrogen, imported, 40% N_2, bgs., Jan. shipt..ton.56.25 - —
30% N_2, bgs., Jan. shipt., ton.42.55 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .40 - .45
Valonia, beards, bgs., f.a.s..ton.49.00 - —
Cups, bgs., shipt., f.a.s..ton.37.00 -39.00
extract, powdered, 63%.....lb. .0565 Nom.
Vanilla beans, Bourbon, tins..lb. 6.00 - 6.50
Mexican, tins.....lb. 6.00 - 6.50
cuts, tins.....lb. 5.50 - 6.00
South American, tins.....lb. No prices
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. .70 - .75
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.35.00 -36.75
Extract, solid, bgs.....lb. .04¼- —
Wax, bayberry, import, bgs...lb. .23 - .26
Bees, white, bleach, slabs, cs., 5 case lots..lb. .38 - —
1 cs, lots.....lb. .38½- —
cakes, 5 cs., lots.....lb. .39 - —
1 cs., lots.....lb. .39½- —
discs, 5 cs., lots.....lb. .40 - —
1 cs., lots.....lb. .40½- —
yellow, crude, Africa, 10-bg. lots..lb. .26 - .26½
1 bg.....lb. .26½- .27
Brazil, bgs., 5-10 lots..lb. .26 - .26½
1 ton.....lb. .26½- .27
500 lbs.....lb. .27 - .27½
100 lbs.....lb. .27½- .28
refd., slabs, cs., lbs lb .31 - .36
Candelilla, bgs., 1 ton.....lb. .17½- .18½
jobbing lots.....lb. .18 - .19
Carnauba, No. 3 chalky, bgs. 1 ton..lb. .57 - .62
5 bgs.....lb. .57½- .62½
1 bg.....lb. .58 - .63
N. C., 2 bgs., 1 ton.....lb. .64 - .65
N. C., 3 bgs., 1 ton.....lb. .60 - .64
5 bgs.....lb. .60½- .64½
1 bg.....lb. .61 - .65
refined, bgs.....lb. .68 - .70
yellow, No. 1, bgs., 1 ton...lb. .76 - .78
5 bgs.....lb. .76½- .78½
1 bg.....lb. .77 - .79
No. 2, bgs.....lb. .75 - .77
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1-ton.....lb. .13½- .14
jobbing lots.....lb. .14½- .15
Japan, cs.....lb. .15½- .16
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 5 ton.....lb. No prices
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.18.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., work.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works.....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet.-grnd., bip., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilder's bolted, bip., bgs., c.l., works..ton.18.00 -
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
Paris white, bip., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
Gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
8-20 tons, works....ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .06 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .13 - .14
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock....ton. No prices
100 mesh, bgs., ex dock...ton. No prices
120 mesh, bgs., ex dock...ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .18 - .20

X

Xylol (xylene), indus., dms., returnable, works..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
10°, dms., returnable,works.gal. .35 - —
tanks, E. of Omaha, frt .alld. gal. .30 - —
5°, dms., returnable, works, gal. .42 - —
tanks, E. of Omaha, frt. alld..gal. .40 - —
3°, dms., returnable, works..gal. .47 - —
tanks, E. of Omaha, frt. alld..gal. .45 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbl., same basis....lb. .55 - —
Yellow cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .56 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.....lb. .13½- —
open order.....lb. .14½- —

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¾c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¾c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. coast for Denver, Pueble, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow, A, bbls., works....lb. .02¼- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
yellow, G, bbls., works....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import, lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock.. San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
French, ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis...lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N. Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03¼ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y., lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (See O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .12
Yerba santa leaves, bls.....lb. .09 - .10
Yohimbine hydrochloride, via..oz. 2.85 - 4.00

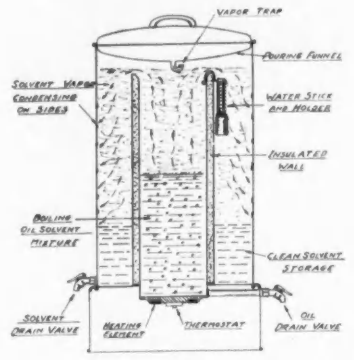
Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest, in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.00 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms..... .....lb. .25 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., bbls., dlvd.....lb. .08¼- —
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .23
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06¼- .07¾
bgs., l.c.l., ex whse., Pac. cst.....lb. .06¼- .07¾
bbls., c.l., dlvd....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cts..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
Leaded, 5%, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
35%, c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
35%, bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
bgs., l.c.l., ex whse., Pac. cst..lb. .06½- —

Zinc oxide, pigment, leaded 50%, bgs., c.l., dlvd., except Pac. Coast..lb.	.0606-	—
dlvd., Pac. cst..lb.	.0612-	—
l.c.l., dlvd., except Pac. cst..lb.	.0631-	—
bgs., ex whse., Pac. cst..lb.	.0637-	—
bbls., c.l., dlvd....lb.	.0637-	—
l.c.l., ex whse., Pac. Cst. lb.	.0662-	—
French process, com'l, lead free, bgs., c.l., dlvd., lb.	.06¼-	.07¼
l.c.l., dlvd., except Pac. cst..lb.	.06½-	.07¾
ex whse., Pac. cst.lb.	.06½-	.07¾
bbls., c.l., dlvd.....lb.	.06½-	.07¾
l.c.l., dlvd., except Pac. cst..lb.	.06¾-	.08
ex whse., Pac. cst., lb.,	.06¾-	.08

Hydrocarbon Solvents Cleansing Still Offered

A new still, described as fully automatic, has been developed by the Circo Products Company, Cleveland, Ohio, for reclaiming chlorinated hydrocarbon solvents, such as carbon tetrachloride, ethylene dichloride, perchloroethylene, and trichloroethylene. This new apparatus has the appearance of a closed cylinder. It is made of hot-galvanized 19-gauge steel, 42 inches high and 23 inches in diameter,



and weighs about 120 pounds. The heating element is electric, thermostatically controlled, operating at 110 volts, 850 watts, AC or DC, and provided with an indicator light to tell when the distillation process is completed.

The manufacturer says that this apparatus can be used as a storage vessel for both dirty and cleaned solvents at the same time, and that it will reclaim 2½ gallons of solvent an hour at a cost of but a few cents a gallon. The operation of the still is described as follows:—

Five gallons of greasy, oily, or otherwise dirty, used solvent is poured into the top of the still. The electric connection is plugged in. The dirty solvent drains into the inner cylinder container, which is insulated from the outer container and has its top several inches below the top of the outer container. The inner container is electrically heated at the bottom. As the dirty solvent mixture is heated, the solvent vapors are distilled off, rise, and pass into the outer container, as illustrated in the cross-sectional view. As this vapor comes into contact with the wall of the outer container, it is condensed into clean solvent. The solvent then runs down the wall of the outer container to the bottom, where it is conveniently stored for further use. The inner container has a separate drain valve to draw off the oil remaining after the distilling process. The outer container also has a separate drain valve for dispensing the clean, fresh solvent.

A.P.M.A. Convention Hotel Rates Fixed

The Broadmoor hotel, Colorado Springs, Col., has given the American Pharmaceutical Manufacturers' Association special American plan rates of $10 a day for a person occupying a single room and $9 for each person in a doubly occupied room. These rates will be applicable from June 8 to 15, inclusive.

The association will hold its annual meeting in the Broadmoor June 9 to 13, opening with a session in the evening June 9. Conventioners are urged to make hotel reservations early.

In connection with arrangements for the convention, Philip A. Rising, of Charles Pfizer & Co., has been made chairman on transportation; Harry C. Phibbs, Chicago, heads the entertainment committee; B. F. Ascher, vice-president of the association, will lead the "greeters" committee. H. B. Johnson is general chairman.

Zinc oxide, pigment, French process, green seal, bgs., cl., dlvd., lb.	.08 -	—
l.c.l., dlvd., except Pac. cst..lb.	.08¼-	—
ex whse., Pac. cst.lb.	.08¼-	—
bbls., c.l., dlvd.....lb.	.08¼-	—
l.c.l., dlvd., except Pac. cst..lb.	.08½-	—
ex whse., Pac. cst.lb.	.08½-	—
red seal, bgs., c.l., dlvd..lb.	.07½-	—
l.c.l., dlvd., except Pac. cst..lb.	.07¾-	—
ex whse., Pac. cst..lb.	.07¾-	—
bbls., c.l., dlvd.....lb.	.07¾-	—
l.c.l., dlvd., except Pac. cst..lb.	.08 -	—
ex whse., Pac. cst..lb.	.08 -	—
white seal, bgs., c.l., dlvd. lb.	.06½-	—
l.c.l., dlvd., except Pac. cst..lb.	.08¾-	—
ex whse., Pac. cst..lb.	.08¾-	—
bbls., c.l., dlvd.....lb.	.08¾-	—
l.c.l., dlvd., except Pac. cst..lb.	.09 -	—
ex whse., Pac. cst..lb.	.09 -	—
imported, gold seal, cks., ex whse..lb.	.13 -	.14
green seal, bbls., ex whse., lb.	.10 -	—
white seal, cks., ex whse., lb.	.11 -	.12½
USP, bbls., c.l.....lb.	.09½-	—
Palmitate, bbls.....lb.	.24½-	.27½
Resinate, fused, pale, bbls..lb.	.10 -	—
precip., dms., dlvd.....lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., c.l..lb.	.23 -	—
l.c.l., 1 ton.....lb.	.24 -	—
1,000-2,000 lbs.....lb.	.25 -	—
less than 1,000 lbs...lb.	.26 -	—
USP, bbls.....lb.	.24 -	.26

Zinc sulphate, cryst., bgs., c.l., 100 lbs.	2.75 -	—
l.c.l. .....100 lbs.	3.50 -	—
bbls., c.l.....100 lbs.	2.90 -	—
l.c.l. .....100 lbs.	3.65 -	—
flake, bgs., c.l.....100 lbs.	3.10 -	—
l.c.l. .....100 lbs.	3.85 -	—
bbls., c.l.....100 lbs.	3.25 -	—
l.c.l. .....100 lbs.	4.00 -	—
powd., bgs., c.l.....100 lbs.	4.35 -	—
l.c.l. .....100 lbs.	5.10 -	—
bbls., c.l.....100 lbs.	4.50 -	—
l.c.l. .....100 lbs.	5.25 -	—
Sulphide, bgs., c.l., (20 tons), dlvd lb.	.07½-	—
l.c.l., dlvd. E. or ex whse., Pac. cst. lb.	.07¾-	—
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd lb.	.07¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.08 -	—
barium, pigment, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb.	.05¼-	—
calcium pigment, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb.	.05¼-	—
magnesium, pigment, bgs., c.l., dlvd..lb.	.05¼-	—
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb.	.05½-	—
Sulphocarbolate, NF, bbls....lb.	.24 -	.26
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.15 -	—
l.c.l., works.....100 lbs.	5.50 -	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd., except Pac. cst..lb.	.05½-	—
ex whse., Pac. cst..lb.	.05½-	—

Zinc Oxide—Zirconium

Zirconium nitrate, kgs., works..lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.	75.00 -100.00
white, 99%, grd., kgs., works, lb.	1.80 - 2.00

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Jan. 1 issue; the next printing will be in the May 6 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 37.

Adaptable as No. 1307

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EXTRA LIGHT

COLOR	2L-2
ACID NO.	3-6
VISCOSITY	N-O

No. 1307 Beckosol was designed expressly for finishes of the spraying type in which it is the most versatile pure alkyd available.

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Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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Vol. 137 April 15, 1940 Number 16

Chemistry Makes Frontiers

The catholicity of the services of chemistry to humanity is ably demonstrated periodically in the meetings of the American Chemical Society. These gatherings afford an opportunity of liberal education for everybody. They resound, in part, with words of many syllables, but they also get down, in larger part, to matters and nomenclature of an everyday sort.

In the Cincinnati meeting last week, presentations and discussions ran a lengthy gamut of popular, industrial, and scientific interest. Talk there was of light-fast dyes for better wallpapers—of multiple-component synthetic plastics. Earnestly the chemists discussed the synthesis of new odoriferants—and the utilization of waste cornstalks. Chemistry may be high-brow in these days of smashing atoms to make automobiles go; but it is helping-handed for the factory, the farm, and the fireside.

Big are the opportunities for industry, so say foreseeing industrialists, in highways, housing, and hygiene. Much is to be done, they aver, in, with, and to communications, curatives, and carriers. These prophets are still a bit vague; but chemistry can and does see something more than visions in the mist. Chemistry has served highways in a score of important respects. It provides calcium chloride to prevent dustiness, corrosion, and erosion, and to hasten the removal of ice and snow. It offers hydrochloric acid to roughen concrete paving for safety's sake, and it gives a complex resinous substance by means of which motorists are enabled to light their own way.

Chemistry is on the way to revolutionize the construction materials of houses, as it has revolutionized their interior and exterior decoration. Through the development of germicides, absorbents, refrigerants, air-conditioning agents, it has already served hygiene valuably—and it has just begun to serve. In medicine and in transportation, chemistry has wrought immeasurable improvement. To every fabricated article that is utilized by man, it has added attractiveness and endurance. With chemistry to serve it, mankind will never lack frontiers.

War Trade's Hazards

The spread of the European war to Scandinavia has brought a further constriction of the export trade of the United States, and this may be expected to give rise in some quarters to further pressure for amendment of the neutrality law. Such pressure has been growing for some time, with the purpose of getting permission to make credit available to the belligerent nations for the purchase of other than war materials in this country.

There has not yet been reason to believe that the Federal administration or Congress looks with favor on any such change in the neutrality law. It is difficult to believe that American business has such a short or convenient memory as to desire to chance a repetition of the costly experience in foreign credits during the World War and the years closely following. From that experience it should be clear that it will be far better not to sell more goods to the warring countries and to lose only the profit—large as it might be—which such sales might bring than it would be to make such sales and to lose all that it cost to produce the goods and to market them. It is probable that the pressure for credit for the belligerents comes from those who would engage in trade with them with other people's goods and money.

The other side of a now more probable increase in war trade—that of selling munitions and other martial materials to the warring nations—must, on adequate consideration, give pause to American business. It will not be good for this country or for its business to dislocate the industrial set-up for war production. "War babies" are changelings that deprive the proper offspring of industrial enterprise of their sustenance. War trade turns industry and commerce by the lure of big profits from their normal channels, and the profits of the few, with all the spending money which they make abundant, do not offset the losses of the many. And the aftermath of inevitable readjustments is something assiduously to be avoided.

In some lines American industry has wisely insisted that belligerents who desire to get war materials in this country—because they cannot get them any place else—finance in full the preparations and operations which the providing of such materials requires. The temptation of big profits is strong in other directions, and it is getting stronger. Here and there can be seen evidence of an inclination to get the money "while the getting is good." The national organizations of industry and commerce owe to themselves the duty of urging resistance to this temptation and the turning of business attention to the bigger opportunities of domestic markets resulting from the curtailment of imports. Homekeeping has some assurance of happiness. Industrially and commercially, as well as politically and physically, the United States will be wiser in keeping out of the European war.

—O-P-D—

Technologic Benefits

The recently started study by the Temporary National Economic Committee of the effects of technologic progress on national prosperity and the public welfare has brought forth in the hearings and elsewhere a flood of comment on this subject. The economists and industrialists who have expressed their views in this matter apparently are agreed that technologic progress is desirable, but they are in disagreement as to whether its broad effects have been generally beneficial.

There can be no gainsaying the specific benefits of technologic progress during the present century. But, paint these as glowingly as may be, the fact remains that there is poverty in the midst of abundance. Perhaps this was always true: those for whom the "good old times" were not wholly that are, some of them, reticent to recall their less fortunate days, some of them, inarticulate, at least insofar as an understanding or a heeding audience is available.

It is noteworthy that in or between the lines of most of the comment on the general effects of technologic progress there is a declaration or an intimation that this force has not been properly directed. There is evident a belief that individual productive capacity has been increased beyond aggregate capacity to consume; that expansion of markets is today's necessity more than expansion of production or its extension to new fields; that it has been of but little general benefit to lower the cost of articles to the consumer and at the same time reduce, by labor-saving developments, the number of adequately moneyed consumers. It is encouraging that one industrialist's opinion is that the economic problem of today is to provide new labor-creating industries.

There is a fascination in endeavoring to conceive what would be the national economic condition today if the technologic developments represented by automobiles, radio, aviation, and motion pictures had not been achieved. These developments have raised the levels, if not the real standards, of living. But, there remains a doubt that living is a better thing as a whole than it was before these came so largely into it. Because of this those who argue that underconsumption and not overproduction, is responsible for the persistent economic unbalance have something on their side. The difficulty is that nobody is able to define that something convincingly, because the two terms have a reciprocal relativity, neither being a concrete norm.

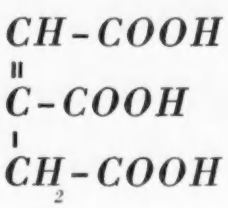
The balancing of the national economy requires the finding of a means of increasing the national active purchasing power, which is not the same as national wealth or national income. This is the objective of the "share-the-wealth" advocates, but their means lack almost everything that is essential to its successful and satisfactory attainment. It is the problem of business to contrive a means of keeping the benefits of its technologic progress in active circulation. When any substantial part of these get dammed up that much of the flow is withheld from the wheels of industry.

—O-P-D—

The Drug Trade's Tempo

For one whose experience in a retail drug store was of an earlier generation and in a place at least a week's distance from a source of wholesale supply there is something of a puzzle in today's protests by city druggists against their wholesalers' closing on Saturdays. The drug business has changed, of course; maybe it has improved—in some respects. Its reflection of the modern tempo, however, should be plain to all divisions. This was recognized by wholesalers in their attitude toward a maximum workweek. It is a condition to be faced understandingly.

ACONITIC ACID



For *the first time available commercially*..... White to yellowish crystalline solid; melting point about 195°—198°C; readily soluble in water. Combining as it does in one product the potential industrial usefulness of a polycarboxylic acid and of an unsaturated compound it is offered as a new raw material with interesting possibilities in the preparation of synthetic resins and plastics, plasticizers, industrial antioxidants, and other products of chemical industry.

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Heavy Chemicals

Domestic Business Slightly Better—Tin Salts Higher—Antimony Oxide Lower — Soda Silicofluoride Trend Firmer —Trade with Scandinavian Countries Disrupted

A slight pickup was noted in the demand for heavy chemicals last week. The downward trend, which seemed to have leveled off a few weeks ago, apparently has run its course. Some further seasonal improvement was anticipated, while the industrial outlook appeared more encouraging. It was too early to discern what effect the latest developments in the European war will have on domestic business. Trade with the Scandinavian countries has been disrupted for the present. Prices changes were limited principally to metals and their salts.

Imports and exports of industrial chemicals from Scandinavian countries were suspended entirely as a result of the war. A presidential decree under the neutrality act prevented any American shipping to these ports, while strong Allied blockage stopped other commerce from entering or leaving. Soda silicofluoride from Denmark was cut off, and the lack of any sizable stocks here brought firmer prices. Ammonia nitrate, ammonia carbonate, white arsenic, cobalt oxide and potash chlorate were other items affected. Exports from this country of alkalies and other sodium compounds are expected to suffer until the situation becomes more clarified.

Sharp recession in car lot price of antimony oxide was confined to one leading producer, and reflected competitive conditions. So far as could be learned other sellers were adhering to the old price because of high production costs. No change was reported in less car lot quotations.

Alums.—Moderate movement ammonia, potash and soda. Prices unchanged and firm. February exports, 213,719 pounds, valued $14,974.

Alumina Hydrate. — Withdrawals conservative. Prices for light and heavy remain firm.

Alumina Sulphate.—Contract shipments moderately active. Strong price tone. February exports, 5,928,879 pounds, valued $66,515, of which 4,328,058 pounds went to Canada.

Aluminum. — Moderate inquiry. Prices firm at levels established recently.

Ammonia Anhydrous. — A slightly better interest reported. Prices firm. February exports, 488,324 pounds, valued $48,132, of which 200,854 pounds went to Netherland Indies.

Ammonia Aqua.—Demand moderate. Pricewise firm tone prevailed.

Ammonia Bicarbonate. — Routine buying. Pricewise no change developed.

Ammonia Bifluoride.—Dealings narrow. Quotations without change.

Ammonia Carbonate. — Consumers made necessary replacements.

Ammonia Fluoride. — Prices firm. Trading conservative.

Ammonia Molybdate.—Small quantities made up the call.

Ammonia Nitrate.—Market position strong. Better inquiry noted.

Ammonia Perchlorate. — Quotations unchanged and firm. Shipments routine.

Ammonia Persulphate. — Modest quantities usually made up the call.

Ammonia Phosphate.—Market devoid of any new developments.

Ammonia Oxalate. — Trading confined to regular consuming channels.

Ammonia Silicofluoride. — Demand lacked broadening. Prices steady.

Ammonia Sulphocyanide. — Prices firm. Business only fair.

Ammonia Sulphide.—Consumers exerted a moderate interest. Prices ruled unchanged.

Ammoniac, Sal.—New business dull. Market position satisfactory.

Antimony.—Domestic spot metal unchanged and firm. Commitments not heavy.

Antimony Needle. — Price nominal. Stocks scarce. Offerings limited.

Antimony Oxide. — A leading producer sold fair size tonnage at 11c. in car lots delivered, while other producers adhered to former prices. Lower price reflects no weakness in basic raw material. Less car lots unchanged.

Arsenic.—Fair movement to agricultural and industrial channels. Prices unaltered.

Barium Carbonate.—Buying moderate. Prices without change.

Barium Chlorate.—Prices firm, demand routine.

Barium Chloride.—Trading underwent no change of consequence.

Barium Hydrate.—Steady interest. Prices well sustained.

Barium Oxide.—No change in prices, with moderate inquiry.

Bleaching Powder.—New business failed to broaden. Export inquiry light. Prices unchanged.

Calcium Acetate. — Business dull. Prices the same.

Calcium Carbide. — Transactions moderate. Satisfactory export inquiry. Prices rule firm. February exports 941,628 pounds, valued at $36,668.

Calcium Chloride.—Some inquiry for dust control work, demand from other sources well maintained. Prices unaltered. February exports 792,995 pounds, valued at $8,627, of which 330,900 pounds went to Argentina.

Calcium Phosphate.—The technical grade moved in fair volume. Prices ruled firm.

Calcium Sulphide.—Market lacked any change, with buying modest.

Carbon Bisulphide. — Shipments moved at moderate pace. Prices unchanged.

Carbon Dioxide.—Inquiries broaden from beverage and refrigeration trade. Prices the same.

Chlorine.—Developments in pulp industry watched as result of war in Scandinavian countries. Demand was moderate. Prices steady to firm. February exports 598,469 pounds, valued at $16,331, of which 385,150 pounds went to Canada.

Price Changes

Advanced

Copper, electrolytic, ¼c. per lb.
Soda silicofluoride, imp., ½c. per lb.
Soda stannate, 1½c. per lb.
Tin, Straits, 2c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.
tetrachloride, anhy., 1c. per lb.

Reduced

Antimony oxide, c.l., 4c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
150.8	150.8	150.6	146.7

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Chloropierin.—Some pickup was revealed as result of seasonal and war developments. Prices firm.

Cobalt Oxide.—Supplies adequate to meet normal needs. War developments still a factor in future shipments. Prices firm and unchanged.

Cobalt Sulphate.—Small quantities taken, price without change.

Copper.—Buying in domestic market best since February, prices firmed, all factors quoting 11½c. per pound. Good export business at 11½c.

Copper Carbonate. — Better price tone, dealings moderate.

Copper Chloride.—Transactions not large. Prices the same.

Copper Sulphate.—Domestic and export demand good. Prices firm. February exports 2,586,096 pounds, valued $103,681.

Copperas.—Strong position. Selling limited to regular channels. Prices firm.

Ethyl Chloride. — Business routine. No change in prices.

Feldspar. — Price rule unchanged and firm. Fair interest.

Fluorspar.—Moderate demand. Quotations without change and firm.

Glauber's Salt.—Withdrawals spotty. No change in prices.

Lead Acetate.—Transactions routine. Quotations the same.

Lead Nitrate.—Moderate inquiry, with no change in quotations.

Lime.—Seasonal movement of agricultural material awaited. Industrial demand fair. Prices the same.

Magnesite.—Sellers adhere to former prices. Satisfactory interest.

Manganese Dioxide.—Routine shipments against contracts. Prices firm.

Manganese Sulphate, Anhydrous.—Fair buying reported. Firm price tone.

Methyl Chloride.—Shipments moderate. Prices held firm.

Molybdenum Metal Powder.—Buying remained satisfactory. Prices firm.

Nickel Salts. — Firm price tone. Some good size replacement business revealed.

Phosphorus. — Trading limited to regular consumers. Quotations firm.

Potash Carbonate. — Steady withdrawals against contracts. Prices unchanged and firm.

Potash, Caustic.—Consumers made steady replacements. Market position firm.

Potash Chlorate.—Spread of war to Scandinavian countries may restrict shipments from Sweden, present stocks adequate to meet normal needs. Prices firm.

Potash Cyanide.—Interest light, and prices strictly nominal.

Potash Metabisulphite. — Dealings narrow. Prices steady to firm.

Potash Perchlorate. — Firm price tone, trading held to normal requirements.

Potash Permanganate. — Buying steady to nearby needs. Quotations unchanged and firm.

Salt.—Demand only fair. Pricewise no new developments occurred.

Saltcake. — Prices were nominal. Withdrawals by paper and glass trade moderate.

Saltpeter.—Better export inquiry. Domestic shipments steady. Prices hold firm.

Soda Acetate.—Transactions routine. Prices well sustained.

Soda Antimoniate.—Little feature to trading, with prices unaltered.

Soda Ash.—Consumers made fair size replacements against contracts. Moderate export inquiry. Prices unchanged. February exports 12,980,587 pounds, valued at $168,453, of which the bulk went to Sweden, Mexico, Argentina, Brazil and China.

Soda Bicarbonate.—Demand steady. Prices steady to firm. February exports, 1,950,155 pounds, valued at $33,543, of which 929,563 pounds went to Canada.

Soda Bifluoride. — Firm price tone. Buying fairly active.

Soda Bisulphite. — Usual consumers made necessary replacements. Prices without change.

Soda, Caustic.—Moderate demand, with little broadening. Prices unchanged. Export inquiry about normal. February exports, 1,494,415 pounds, valued at $436,492.

Soda Chlorate. — Buying fair. No change developed in the prices.

Soda Cyanide.—Shipments spotty. Prices well maintained. February exports, 998,953 pounds, valued at $118,829.

Soda Fluoride.—Business routine. No change in prices.

Soda Hydrosulphite.—Demand fairly steady. Less export inquiry. Prices firm.

Soda Metasilicate.—Prices unchanged and firm. Trading moderately active.

Soda Nitrite. — New business moderate. Prices without alteration.

Soda Phosphate.—Business remained at about the same level. Prices lacked change. February exports, 1,138,711 pounds, valued at $49,749.

Soda Pyrophosphate.—Fair buying. Pricewise firm tone prevailed.

Soda Silicate.—Demand well diversified. Moderate export inquiry. Prices ruled firm. February exports, 1,049,157 pounds, valued at $20,195.

Soda Silicofluoride.—Shipments from Denmark suspended; spot stocks imported small; some offered at 6½c. per pound. Better inquiry for domestic material. Prices firm.

Soda Stannate. — Price advanced 1½c., ranging from 31½c. to 34½c. per pound. Demand moderate.

Soda Sulphide. — Buying moderate. Prices firm and unchanged.

Soda Sulphite.—Replacement buying satisfactory. Prices unchanged.

Strontium Salts.—No new price developments, with dealings narrow.

Sulphur, Refined.—Seasonal pickup awaited from agricultural sources. Fair industrial interest. Prices firm.

Tin Salts.—Market from ½c. to 1c. higher. Tin crystals, 36½c. to 37c. per pound; anhydrous stannous chloride, 45c. to 45½c. per pound, and anhydrous tetrachloride of tin, 23¼c. per pound. Straits metal, 47½c. per pound.

Uranium Oxide. — Market strong. Steady interest from regular consumers.

Zinc Carbonate.—Moderate demand. Prices without alteration.

Zinc Chloride.—No new developments entered market. Prices firm.

Zinc Sulphate. — Transactions routine. Pricewise firm tone prevailed.

Acids

The outlook for increased activity in the market for mineral acids seemed improved. Developments abroad were one factor creating more interest, but prospects of some pick up in domestic business were brighter. Operations in most consuming industries apparently have reached their low level, and gradual improvement was anticipated. Prices underwent no change, and a steady to firm tone prevailed.

It is still too early to say what affect the latest developments in the Scandanavian countries will have on certain acids. The leading manufacturer of sulphuric acid in Sweden produced 54,798 tons during 1939, an increase of 6 percent from the preceding year. A new factory having an output of 12,500 tons is being erected and is expected to be completed in May, 1940.

Abietic. — Buying conservative. Prices without change.

Acetic.—Moderate movement continues. Prices steady.

Acetic, Anhydride. — Prices unchanged, and withdrawals fairly steady.

Battery.—Consumers made necessary replacements.

Butyric.—Market lacked any new feature.

Chlorosulphonic.—Firm price tone, fair interest.

Chromic.—Dealings routine. Prices held firm.

Formic.—Shipments moderately active. Quotations the same.

Gallic.—Strong tone, withdrawals modest.

Hydrofluoric. — Usual consumers provided fair demand.

Lactic.—Transactions spotty. Pricewise no new developments occurred.

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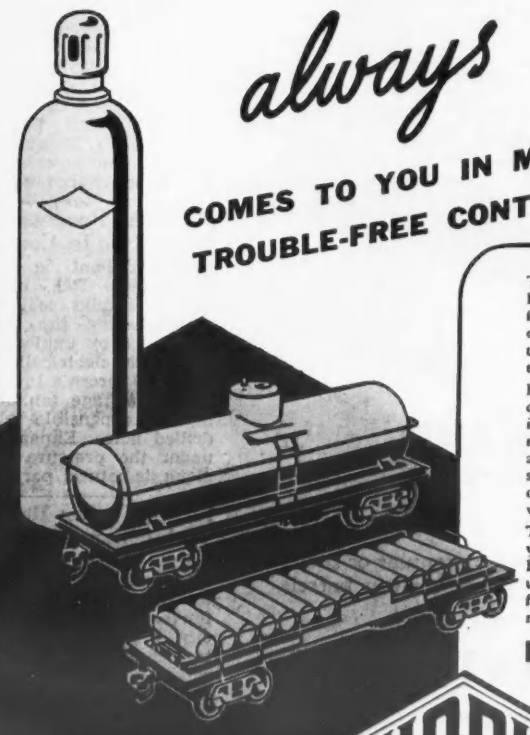
DIAMOND
Liquid
CHLORINE
always
COMES TO YOU IN MODERN, TROUBLE-FREE CONTAINERS!



To insure your *complete* satisfaction with Diamond Liquid Chlorine, DIAMOND not only provides the finest product you can buy, but also goes far beyond ordinary service requirements in eliminating potential sources of trouble and annoyance from the containers in which Liquid Chlorine is shipped to you.

For example, before filling, each cylinder and tank car is thoroughly cleaned and inspected; each valve is removed, taken apart and inspected, valve seats reground if not seating properly, the valve repacked and tested to 700 pounds pressure; the deep-drawn seamless steel cylinders are tested to 500 per cent of normal pressures, and are kept neatly painted with aluminum paint.

These few instances indicate the seriousness with which DIAMOND assumes its obligation to deliver Liquid Chlorine in a form most acceptable and usable to you. And, this being the case, you can free your mind completely of Liquid Chlorine worries by specifying DIAMOND!

DIAMOND ALKALI COMPANY
Pittsburgh, Pa. and Everywhere

CHLORINE

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Du Pont Process to Replace Explosives in Coal Mining

E. I. duPont de Nemours & Co., Wilmington, Del., has announced a new hydraulic coal mining process accomplishing the work previously performed by explosives. Under the process an electrically driven hydraulic pump forces a low-inflammable oil from a storage tank through a hose into an expansible tube placed in a drilled hole. Expansion of the tube under the pressure breaks the coal along its natural parting lines.

Irving Taylor Returning To Michigan Alkali April 22

Irving Taylor, long prominently identified with the sale of alkalies in the United States as director of sales for the Michigan Alkali Company, this city, previous to his retirement September last, because of ill health, will return to this city about April 22 from California, where he had been convalescing. Mr. Taylor, upon his return to Michigan Alkali, plans, for the present time, to resume only a portion of his former duties.

Standard Metal Refining Company, has leased half an acre of ground from the Crown Cork & Seal Company on Boston street, Baltimore, for the erecting of a one-story plant of about 12,000 square feet of floor space, for the reclamation of tin and iron from waste materials.

Trade Briefs

National Container Corporation, this city, has elected to its directorate A. C. Herman, J. Kipnis, M. M. Bernstein and Joseph Quarte.

American Can Company, this city, has purchased a warehouse at 57-109 Dey street, Jersey City, at an estimated cost of $150,000.

Anaconda Copper Company, this city, has called for May 15 redemption $33,000,000 of its 4½ percent sinking fund debenture bonds.

International Nickel Company of Canada, Ltd., plan an expenditure of $125,000 for construction of additions to its plant at Huntington, W. Va.

Aluminum Company of America, Pittsburgh, has purchased 30 acres of land surrounding its plant at Vernon, Calif., for the erection of additions at a cost of $2,000,000.

General Chemical Company is moving its Buffalo sales office April 15 to 1 West Genessee street. The telephone number is being changed to Madison 4178 and 4179.

Pacific Distributors has removed its general offices and warehouse to 7162 Melrose avenue, Los Angeles. The telephone number of the organization headed by A. A. Hoffman, is York 8155.

Maryland Glass Corporation, Baltimore, is erecting a two-story extension to one of the manufacturing departments. A large addition to one of the production buildings has just been completed.

Herbert Kaufman, of the General Printing Ink, this city, has been elected secretary and treasurer of the Technical Publicity Association, New York, chapter of the National Industrial Association.

James F. Coyle, affiliated with the calcium chloride department of the Solvay Sales Corporation, this city, was recently tendered a stag party by his executive office associates. Mr. Coyle will be married to Miss Martha Harry, April 20.

Dr. W. S. Calcott, of the du Pont Dye Works, spoke on "The Role of the Chemical Engineer in Research" at a recent meeting of the junior Philadelphia-Wilmington section of the American Institute of Chemical Engineers in Philadelphia.

Silicates as cleansing agents are discussed with a correlation of laboratory research and industrial experimentation in the Fourth Month, 1940, issue of Silicate P's & Q's, published by the Philadelphia Quartz Company, 121 South Third street, Philadelphia.

Maryland Oxygen Company, has fitted up a plant for the manufacture of oxygen at 1700 South Newkirk street, Baltimore. The president of the corporation is Howard Guthrie, with M. B. McCauley as vice-president and H. M. McCauley as secretary-treasurer.

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99% Pure
In large or small crystals, "Instant Brand," granular or snow, packed in 100-lb. waterproof bags and in new, clean barrels of 450 lbs. net.
MONOHYDRATED
(*Full 35% Metallic Copper Content*)
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Free from sulphuric and hydrochloric acids. Available in large, small or special fine crystals as well as powdered. Careful screening assures uniformity.
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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Paints

Plasticizers Used in Paints Containing Cellulose Esters or Ethers

(Continued from April 8 issue)

Benzyl cyclohexyl-phthalate
Benzyl isoamylphthalate
Benzyl laevulinate
Benzyl pentachloranilide
Benzyl propionate
Benzyl normal propyl-phthalate
Benzyl tetrachloranilide
Benzyl trichloranilide
Benzylbutyl ethylphthalate
Benzylbutyl tartrate
Benzyldihydrocarvone
Benzylethyl ethylphthalate
Benzylglucose
Benzylhydrocarvone
Benzylidene diacetate
Benzylideneglycerol
Benzylsucrose
Betabutoxyethyl benzoate
Betabutoxyethylfluorene 9-carboxylate
Betachloroethyl naphthenate
Betaethoxylethyl 2-paratoluoylbenzoate
Betagammadibromopropyl ester of coconut oil acids
Betagammadistearoxypropyl chloride
Betamethyl adipate
Betanaphthalenesulphonamide
Betaphenylethyl diethylcitrate
Betaine chlorate
Betaine chromate
Betaine nitrate
Betaine permanganate
Biguanidin nitrate
Bis-(betamethoxyethyl)-methylene ether
Borneol
Borneol butyrate
Borneol ethoxyacetate
Borneol ethoxychloroacetate
Borneol methoxyacetate
Borneol methoxychloroacetate
Borneol phthalate
Borneoldibromodihydrocinnamic acid
Bornyl acetate
Bromocyclohexane-1:4-dicarboxylic acid
Bromoethyl cinnamate
Butyl acetate
Butyl acetylricinoleate
Butyl adipinate
Butyl benzoate
Butyl carbamate
Butyl carbanilate
Butyl citrate
Butyl di-isoamylphosphate
Butyl glycollate
Butyl laevulinate
Butyl octylacetate
Butyl oleate
Butyl palmitate
Butyl phosphate
Butyl proprionate-acetate
Butyl resinate
Butyl stearate
Butyl tartrate
Butyleneglycol diacetate
2-Butyloctanol carboxyl esters
2-Butyloctanol esters
Butylpentaerythritol
Butylphthayl butylglycollate
Butyrylphenetidin
Camphor
Camphorcarbitol phthalate
Camphorsal
Carbon dioxide phenolic esters
Carboxylic acid derivatives of secondary aliphatic aromatic amines
Carboxylic acid esters of—
(1) 2-Butyloctanol
(2) Di-2-ethyl butylphthalate
(3) Di-2-ethyl butylsuccinate
(4) Ethyl butylacetate
(5) 2-Ethylbutanol-1
Casterol
Castor oil
Castor oil, acetylated processed
Celludol
Centralite 1
Centralite 11
Cetyl acetylsalicylate
Cetyl adipate
Cetyl hexahydrophenylenediacetate
Cetyl hydrophthalate
Cetyl phthalate
Cetyl sebacate
Cetyl succinate
Chinawood oil
Chloral
Chlorhydrins
Chlorinated diphenyl
Chloroacetanilide
Chloroethyl cinnamate
Chloronaphthalene
Chloronaphthyl acetate
4-Chlorophthalic acid
Chloroxypropyl cinnamate
Cinnamene
Cinnamyl compounds
Citric acid phenolic ester
Coconut oil
Cresyl carbonate
Cresyl dimethylphosphate
Cresyl phosphate
Cresyl thiophosphate
Cresylanilides
Cresylanilide phosphate
Cresylparatoluene sulphonate
Cresylparatoluenesulphethylanilide
Cresylphenyl ether
Cresyl-phosphoricdianilide
Cresyl-phosphoric ester
Cyclic ethers
Cyclohexanol
Cyclohexanol acetate
Cyclohexanol formate
Cyclohexanol phthalate
Cyclohexyl adipinate
Cyclohexyl benzylbenzoate
Cyclohexy citrate
Cyclohexyl levulinate
Cyclohexyl 2-naphtholbenzoate
Cyclohexyl phthalate
Cyclohexylethanolamine
Cyclopentanol
Cyclopentanol formate
N-Cyclopentylamide of aliphatic monocarboxylic acid
N-Cyclopentylamide of carboxylic acids
Dextrin diacetate
Dextrin dibutyrate
Dextrin ditartrate
Dextrin pentacetate
Dextrin tetratartrate
Dextrin triacetate
Diacetin
Diacetochlorhydrin
Diacetone arabitic ether
3:4-Diaminobenzoic acid
Dialkyl oxalates
Diamyl oxalate
Diamyl phthalate
Diamyl tartrate
Dibenzenesulpho-2:7-dioxynaphthalene
Dibenzenesulphoparacresol
Dibenzylbenzenesulphamide
Dibenzylparachlorobenzenesulphanilide
Dibenzylparatoluenesulphamide
Dibenzylparatoluenesulphanilide
Dibenzylparatoluenesulphoimide
Dibetaethoxybetaethoxyethyl adipate
Dibetamethoxyethyl phthalate
Dibetaphenylethyl ethylcitrate
Dibutyl maleate
Di-2-butyl octylphthalate
Di-2-butyl octylsuccinate
Dibutyl oxalate
Dibutyl phthalate
Dibutyl sebacate
Dibutyl succinate
Dibutyl tartrate
Dibutylstearamide
Dichlorobenzyl benzoate
3:6-Dichlorophthalic acid
Dicresyl methylphosphate
Dicresylglyceryl ether
Dicresylin
Dicresyl-phosphoric acid amylester
Dicresyl-phosphoric acid ethylester
Dicresyl-phosphoric acid methylester
Dicresyl-phosphoric anilide
Dicyanodiamide
Dicyanodiamidin
Didimethylcyclohexanol oxalate
Diethyl adipate
Diethyl hydrophthalate
Diethyl isophthalate
Diethyl phthalate
Diethyl sebate
Diethyl tartrate
Diethylbromoacetylurea
Diethyldiphenylurea
Diethyleneglycol lactate
Diethyleneglycol tartrate
Diethylsulphodimethylmethane
Diethylsulphomethylethylmethane
Diethylsulphone
Diethylurea
Diglycerol
Dihepthylsulphone
Dihydroxybenzene
Dihydroxydinaphthyl ketone
Dihydroxydiphenyl sulphonate
Dihydroxydiphenylsulphone
Di-isoamylethylsulphone
Di-isobutyl phthalate
Di-isobutylsulphone
Di-iso-normal-butylsulphone
Di-isopropylsulphone
Di-iso-normal-propylsulphone
Dimethyl adipate
Dimethyl phthalate
Dimethylaminobetacoumarin
Dimethylanilin
Dimethylcyclohexanol oxalate
Dimethylcyclohexyl tartrate
Dimethylcyclohexylcarboxylic acid
2:4-Dimethyldimethylene dioxide
Dimethylphenylcarbamide
Dimethylsulphone
Dimethylurea
Dinaphthyl amylphosphate
Dinaphthyl carbonate
Dinaphthyl ketone

(To be continued)

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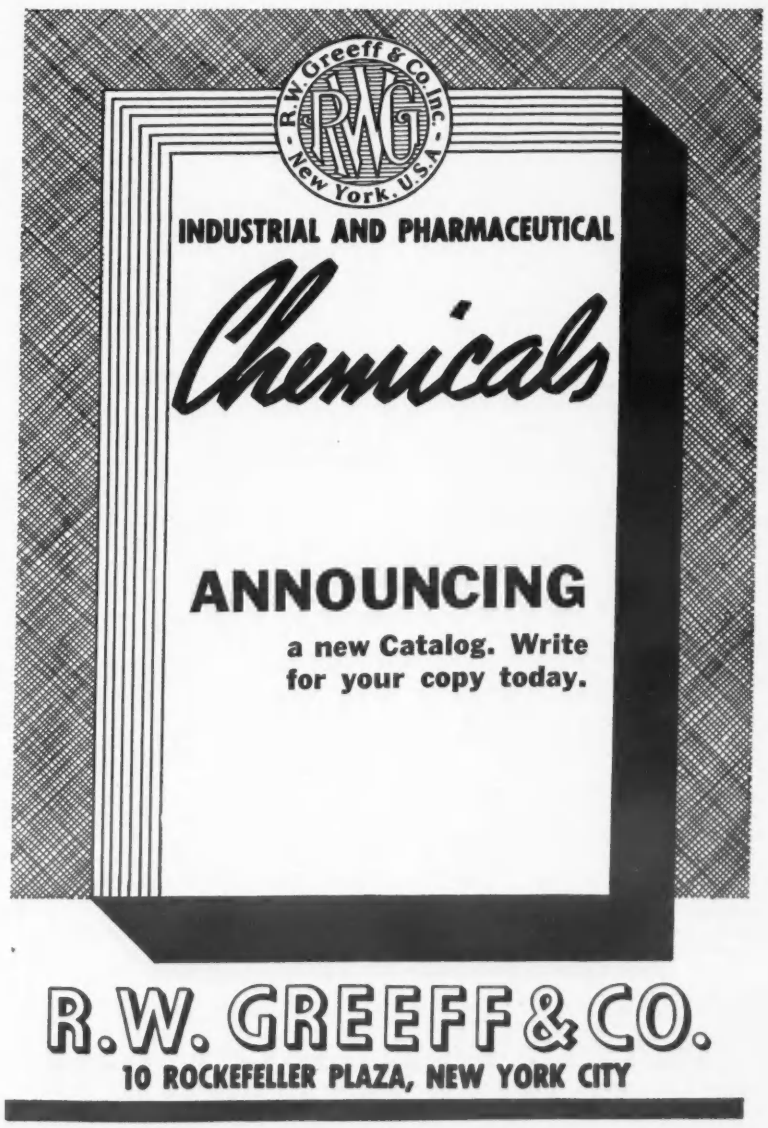

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The Salesmen's Association of the American Chemical Industry will hold a luncheon in the Chemists' Club, this city, April 16. Paul V. Keyser, in charge of the technical service division of the general laboratories for Socony-Vacuum Oil Company, this city, will speak on "The Application of Old and New Chemicals in the Petroleum Industry." There will be no charge to members. Phil LoBue, of Joseph Turner & Co., Ridgefield, N. J., chairman of the entertainment committee, is in charge of reservations.

Du Pont Process to Replace Explosives in Coal Mining

E. I. duPont de Nemours & Co., Wilmington, Del., has announced a new hydraulic coal mining process accomplishing the work previously performed by explosives. Under the process an electrically driven hydraulic pump forces a low-inflammable oil from a storage tank through a hose into an expansible tube placed in a drilled hole. Expansion of the tube under the pressure breaks the coal along its natural parting lines.

Irving Taylor Returning To Michigan Alkali April 22

Irving Taylor, long prominently identified with the sale of alkalies in the United States as director of sales for the Michigan Alkali Company, this city, previous to his retirement September last, because of ill health, will return to this city about April 22 from California, where he had been convalescing. Mr. Taylor, upon his return to Michigan Alkali, plans, for the present time, to resume only a portion of his former duties.

Standard Metal Refining Company, has leased half an acre of ground from the Crown Cork & Seal Company on Boston street, Baltimore, for the erecting of a one-story plant of about 12,000 square feet of floor space, for the reclamation of tin and iron from waste materials.

Trade Briefs

National Container Corporation, this city, has elected to its directorate A. C. Herman, J. Kipnis, M. M. Bernstein and Joseph Quarte.

American Can Company, this city, has purchased a warehouse at 57-109 Dey street, Jersey City, at an estimated cost of $150,000.

Anaconda Copper Company, this city, has called for May 15 redemption $33,000,000 of its 4½ percent sinking fund debenture bonds.

International Nickel Company of Canada, Ltd., plan an expenditure of $125,000 for construction of additions to its plant at Huntington, W. Va.

Aluminum Company of America, Pittsburgh, has purchased 30 acres of land surrounding its plant at Vernon, Calif., for the erection of additions at a cost of $2,000,000.

General Chemical Company is moving its Buffalo sales office April 15 to 1 West Genessee street. The telephone number is being changed to Madison 4178 and 4179.

Pacific Distributors has removed its general offices and warehouse to 7162 Melrose avenue, Los Angeles. The telephone number of the organization headed by A. A. Hoffman, is York 8155.

Maryland Glass Corporation, Baltimore, is erecting a two-story extension to one of the manufacturing departments. A large addition to one of the production buildings has just been completed.

Herbert Kaufman, of the General Printing Ink, this city, has been elected secretary and treasurer of the Technical Publicity Association, New York, chapter of the National Industrial Association.

James F. Coyle, affiliated with the calcium chloride department of the Solvay Sales Corporation, this city, was recently tendered a stag party by his executive office associates. Mr. Coyle will be married to Miss Martha Harry, April 20.

Dr. W. S. Calcott, of the du Pont Dye Works, spoke on "The Role of the Chemical Engineer in Research" at a recent meeting of the junior Philadelphia-Wilmington section of the American Institute of Chemical Engineers in Philadelphia.

Silicates as cleansing agents are discussed with a correlation of laboratory research and industrial experimentation in the Fourth Month, 1940, issue of Silicate P's & Q's, published by the Philadelphia Quartz Company, 121 South Third street, Philadelphia.

Maryland Oxygen Company, has fitted up a plant for the manufacture of oxygen at 1700 South Newkirk street, Baltimore. The president of the corporation is Howard Guthrie, with M. B. McCauley as vice-president and H. M. McCauley as secretary-treasurer.

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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Paints

Plasticizers Used in Paints Containing Cellulose Esters or Ethers

(Continued from April 8 issue)

Benzyl cyclohexylphthalate
Benzyl isoamylphthalate
Benzyl laevulinate
Benzyl pentachloranilide
Benzyl propionate
Benzyl normal propylphthalate
Benzyl tetrachloranilide
Benzyl trichloranilide
Benzylbutyl ethylphthalate
Benzylbutyl tartrate
Benzyldihydrocarvone
Benzylethyl ethylphthalate
Benzylglucose
Benzylhydrocarvone
Benzylidene diacetate
Benzylideneglycerol
Benzylsucrose
Betabutoxyethyl benzylbenzoate
Betabutoxyethylfluorene 9-carboxylate
Betachloroethyl naphthenate
Betaethoxylethyl 2-paratoluoylbenzoate
Betagammadibromopropyl ester of coconut oil acids
Betagammadistearoxypropyl chloride
Betamethyl adipate
Betanaphthalenesulphonamide
Betaphenylethyl diethylcitrate
Betaine chlorate
Betaine chromate
Betaine nitrate
Betaine permanganate
Biguanidin nitrate
Bis-(betamethoxyethyl)-methylene ether
Borneol
Borneol butyrate
Borneol ethoxyacetate
Borneol ethoxychloroacetate
Borneol methoxyacetate
Borneol methoxychloroacetate
Borneol phthalate
Borneoldibromodihydrocinnamic acid
Bornyl acetate
Bromocyclohexane-1:4-dicarboxylic acid
Bromoethyl cinnamate
Butyl acetate
Butyl acetylricinoleate
Butyl adipinate
Butyl benzoate
Butyl carbamate
Butyl carbanilate
Butyl citrate
Butyl di-isoamylphosphate
Butyl glycollate
Butyl laevulinate
Butyl octylacetate
Butyl oleate
Butyl palmitate
Butyl phosphate
Butyl proprionate-acetate
Butyl resinate
Butyl stearate
Butyl tartrate
Butyleneglycol diacetate
2-Butyloctanol carboxyl esters
2-Butyloctanol esters
Butylpentaerythritol
Butylphthayl butylglycollate
Butyrylphenetidin
Camphor
Camphorcarbitol phthalate
Camphorsal
Carbon dioxide phenolic esters
Carboxylic acid derivatives of secondary aliphatic aromatic amines
Carboxylic acid esters of—
(1) 2-Butyloctanol
(2) Di-2-ethyl butylphthalate
(3) Di-2-ethyl butylsuccinate
(4) Ethyl butylacetate
(5) 2-Ethylbutanol-1
Casterol
Castor oil
Castor oil, acetylated processed
Celludol
Centralite 1
Centralite 11
Cetyl acetylsalicylate
Cetyl adipate
Cetyl hexahydrophenylenediacetate
Cetyl hydrophthalate
Cetyl phthalate
Cetyl sebacate
Cetyl succinate
Chinawood oil
Chloral
Chlorhydrins
Chlorinated diphenyl
Chloroacetanilide
Chloroethyl cinnamate
Chloronaphthalene
Chloronaphthyl acetate
4-Chlorophthalic acid
Chloroxypropyl cinnamate
Cinnamene
Cinnamyl compounds
Citric acid phenolic ester
Coconut oil
Cresyl carbonate
Cresyl dimethylphosphate
Cresyl phosphate
Cresyl thiophosphate
Cresylanilides
Cresylanilide phosphate
Cresylparatoluene sulphonate
Cresylparatoluenesulphethylanilide
Cresylphenyl ether
Cresyl-phosphoricdianilide
Cresyl-phosphoric ester
Cyclic ethers
Cyclohexanol
Cyclohexanol acetate
Cyclohexanol formate
Cyclohexanol phthalate
Cyclohexyl adipinate
Cyclohexyl benzylbenzoate
Cyclohexy citrate
Cyclohexyl levulinate
Cyclohexyl 2-naphtholbenzoate
Cyclohexyl phthalate
Cyclohexylethanolamine
Cyclopentanol
Cyclopentanol formate
N-Cyclopentylamide of aliphatic monocarboxylic acid
N-Cyclopentylamide of carboxylic acids
Dextrin diacetate
Dextrin dibutyrate
Dextrin ditartrate
Dextrin pentacetate
Dextrin tetratartrate
Dextrin triacetate
Diacetin
Diacetochlorhydrin
Diacetone arabitic ether
3:4-Diaminobenzoic acid
Dialkyl oxalates
Diamyl oxalate
Diamyl phthalate
Diamyl tartrate
Dibenzenesulpho-2:7-dioxynaphthalene
Dibenzenesulphoparacresol
Dibenzylbenzenesulphamide
Dibenzylparachlorobenzenesulphanilide
Dibenzylparatoluenesulphamide
Dibenzylparatoluenesulphanilide
Dibenzylparatoluenesulphoimide
Dibetaethoxybetaethoxyethyl adipate
Dibetamethoxyethyl phthalate
Dibetaphenylethyl ethylcitrate
Dibutyl maleate
Di-2-butyl octylphthalate
Di-2-butyl octylsuccinate
Dibutyl oxalate
Dibutyl phthalate
Dibutyl sebacate
Dibutyl succinate
Dibutyl tartrate
Dibutylstearamide
Dichlorobenzyl benzoate
3:6-Dichlorophthalic acid
Dicresyl methylphosphate
Dicresylglyceryl ether
Dicresylin
Dicresyl-phosphoric acid amylester
Dicresyl-phosphoric acid ethylester
Dicresyl-phosphoric acid methylester
Dicresyl-phosphoric anilide
Dicyanodiamide
Dicyanodiamidin
Didimethylcyclohexanol oxalate
Diethyl adipate
Diethyl hydrophthalate
Diethyl isophthalate
Diethyl phthalate
Diethyl sebate
Diethyl tartrate
Diethylbromoacetylurea
Diethyldiphenylurea
Diethyleneglycol lactate
Diethyleneglycol tartrate
Diethylsulphodimethylmethane
Diethylsulphomethylethylmethane
Diethylsulphone
Diethylurea
Diglycerol
Dihepthylsulphone
Dihydroxybenzene
Dihydroxydinaphthyl ketone
Dihydroxydiphenyl sulphonate
Dihydroxydiphenylsulphone
Di-isoamylethylsulphone
Di-isobutyl phthalate
Di-isobutylsulphone
Di-iso-normal-butylsulphone
Di-isopropylsulphone
Di-iso-normal-propylsulphone
Dimethyl adipate
Dimethyl phthalate
Dimethylaminobetacoumarin
Dimethylanilin
Dimethylcyclohexanol oxalate
Dimethylcyclohexyl tartrate
Dimethylcyclohexylcarboxylic acid
2:4-Dimethyldimethylene dioxide
Dimethylphenylcarbamide
Dimethylsulphone
Dimethylurea
Dinaphthyl amylphosphate
Dinaphthyl carbonate
Dinaphthyl ketone

(To be continued)

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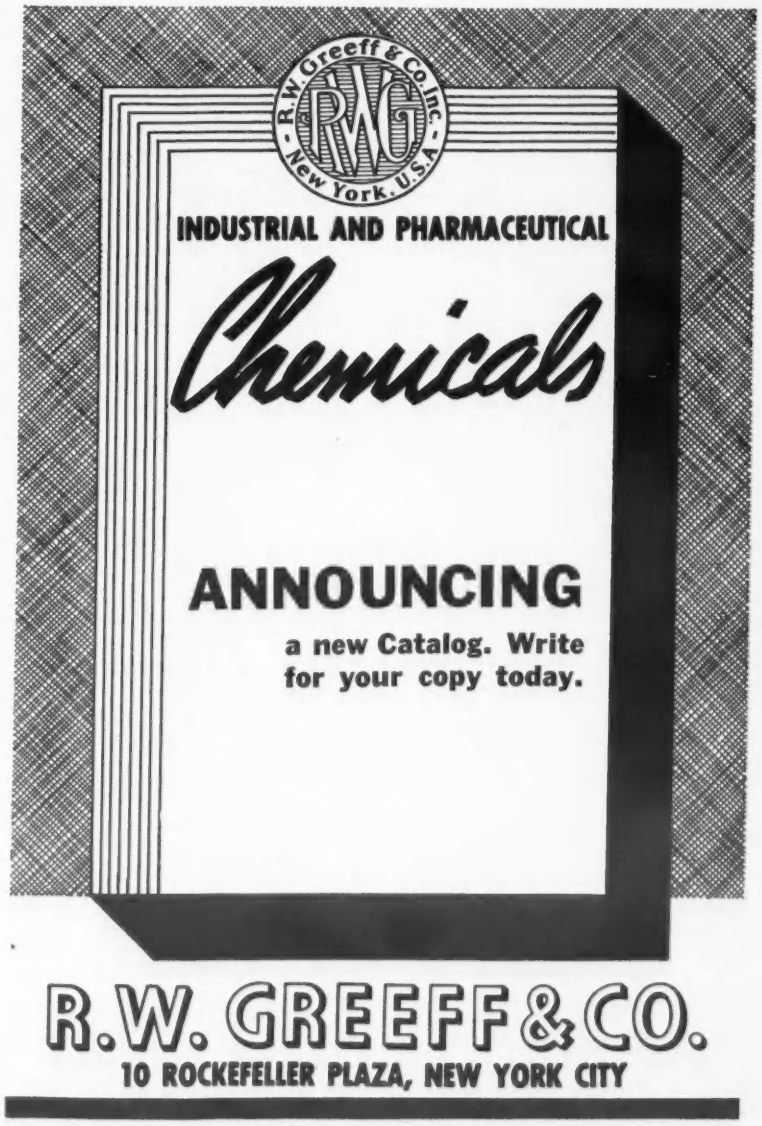

Chemical Minimum Wage In U.S. Contracts Argued

—*Continued from page* 3

and their wage and employment conditions may be radically different from other branches of the industry.

N.A.I.D.M. Objects

Henry C. Fuller, technical consultant to the National Association of Insecticide and Disinfectant Manufacturers, objected to the inclusion of manufacturers of household insecticides and sanitary preparations, pointing out that most of these products are made by concerns whose primary business is not related to the chemical industry, many of them being producers of crude drugs, spices, or flavoring extracts, or refiners of petroleum or coaltar. He suggested that the definition of the chemical industry be amended to exclude members of his association, or, if it were felt that this industry is of importance in government contracts, that a special hearing be held for it. He insisted that employment conditions in his group are not comparable with those in the chemical industry proper, and that the board does not have before it sufficient information to permit it to determine the prevailing minimum wage in the household disinfectant industry.

Weir Mitchell and L. R. Wallack, of the R. M. Hollingshead Corporation, Camden, N. J., asked that a separate classification be made for manufacturers of chemical specialties. They declared that this industry employs a higher proportion of unskilled and female workers than the heavy chemicals industry.

Data Not Representative

John H. Klingenfeld, chief of the research section of the Public Contracts Division, submitted a list of government contracts of more than $10,000 each awarded since enactment of the Walsh-Healey act in the chemical industry as defined in the proposed definition. This showed a total of 322 contracts for $6,360,147. Mr. Watson pointed out that these contracts represented but 0.16 percent of the total sales of the chemical industry during the same period, and suggested that this shows that government business is so insignificant that minimum wages fixed for government contracts would have no effect on the industry as a whole.

Mr. Watson said that, because the wage survey covered only one-sixth of the number of plants and one-third of the wage-earners in the industry, it could not be considered as representative of the prevailing wage. Wage levels vary in different States, he said, and some Northern States shown in the survey have higher average wages than some Southern States, so that it would be difficult to determine prevailing minimum wages for the country as a whole. He pointed out that the Secretary of Labor has determined different minimum wages for the drug, soap, explosives, and fertilizer industries, all of which are more or less related to the chemical industry, and he declared that, if a higher minimum wage is established for the chemical industry, it would constitute discrimination and would split the industry up into groups and result in an impossible administrative problem.

Boris Shishkin, economist for the American Federation of Labor, admitted that evidence before the board does not give a clear-cut picture of prevailing wages and indicates that there is not so much uniformity in the wage structure among various localities in the chemical industry as in most other industries. He criticized what he described as loose and conflicting statements as to the extent of the use of common labor, and he declared that while there is a large percentage of semiskilled labor in the chemical industry these workers should not be classified as common labor.

He read into the record the terms of a number of contracts which A.F. of L. unions have with chemical manufacturers to show that the minimum wages specified for unskilled labor vary from 60 cents to 99 cents an hour. He pointed out that small chemical companies having low wage rates probably would not make government contracts for more than $10,000 and therefore would not be subject to the Walsh-Healey act, and he declared that it is essential that the board determine a minimum wage for this industry which will not impair the gains in wages which unions have made in contracts with chemical producers.

The board set May 1 as the date for filing briefs, and May 10 for reply briefs.

Guggenheim Chemistry Fellowships Awarded

Seventy-three fellowships to assist scholars in research and creative work were announced last week by the John Simon Guggenheim Memorial Foundation, which was established in 1925 by Simon Guggenheim, former United States Senator and Mrs. Guggenheim as a memorial to their son. The awards, largest since 1930, included three in the field of chemistry, which were awarded to the following:—

Cope, Dr. Arthur C., associate professor of chemistry at Bryn Mawr College, who will study the phenomenon of tautomerism and the chemistry of tautomeric systems.

Edsall, Dr. John Tileston, associate professor of biological chemistry at the Harvard University Medical School, who will study the physical chemistry of amino acids, peptides, proteins and related compounds.

Grosse, Dr. Aristid V., of Bronxville, N. Y., who will investigate catalytic reactions of organic compounds and study the products of neutron bombardment of uranium, protoactinium and thorium, at Columbia University.

J.T. Lewis & Bros. Elects J.W. Gardiner, Jr., Head

Joseph W. Gardiner, jr., was elected president of John T. Lewis & Bros. Company, Philadelphia branch of the National Lead Company, at a directors' meeting held April 8. He succeeds Fletcher W. Rockwell. Arthur M. Wilson, jr., was elected vice-president in charge of sales and Edward F. Beale, 3rd, was named treasurer.

Mr. Gardiner joined the company in 1921 in a sales capacity and a few years later was named sales manager. In 1936 he ws elected vice-president and chosen as a director. Mr. Morton joined the company in 1930 as a member of the promotion department and manager of linseed oil sales. In 1936 he was made assistant to the president and the following year assistant to the chairman of the board. Mr. Beale was on the accounting staff of the National Lead Company from 1937 until 1939, when he was transferred to the Philadelphia subsidiary. He succeeds S. French Reeves, who resigned as treasurer but continues as vice-president in charge of production.

Maybelline Co. Wins Cosmetic Tax Suit

The United States Circuit Court of Appeals for the Seventh Circuit has affirmed the judgment of the Federal district court in Illinois awarding T. L. Williams, doing business as the Maybelline Company, a refund of almost $70,000 assessed and collected as a sales tax on mascara. The points at issue rested primarily on the question whether the Maybelline Company was a manufacturer of cosmetics inasmuch as it bought the mascara which it packaged and marketed from a company to which it had sold its formula and equipment in 1933—this concern paid the manufacturer's tax.

There was no question that the transactions between the company were in good faith and at arms'-length. The government's contention was that the Maybelline Company was the manufacturer, and therefore liable to the tax, because it purchased the mascara cakes in bulk and packaged them with an applicator in the form in which they were marketed.

Neither the district court nor the appellate court found in the packaging of an already finished cosmetic article anything covered by the statutory reference to a manufacturer or producer.

Henry C. Judd has been elected an assistant treasurer for Standard Oil Company of California.

Obituaries

Paul D. Buckminster

Paul D. Buckminster, former president of the Federation of Paint and Varnish Clubs and superintendent of the varnish division of the Grand Rapids Varnish Corporation, Grand Rapids, Mich., was fatally injured in an automobile accident March 27. He was fifty years of age.

Born in Georgetown, Mass., Mr. Buckminster graduated from the University of New Hampshire in 1912. He entered the paint and varnish business a year later, jointing the Burbank &

Paul D. Buckminster

Ryder Company, Boston. He later joined the New England Oil, Paint & Varnish Company, leaving after a short period to become manager of the Everett, Mass., plant of E. I. duPont de Nemours & Co. He remained in that capacity until 1923, when he acquired an interest in the Riverside Paint & Varnish Company. He sold his interest in this company, in order to join Breinig Brothers, Hoboken, N. J., as technical supervisor. In 1924 he became superintendent of the Martin Varnish Company, Chicago, leaving in 1931 to become general superintendent of the General Paint Corporation, with headquarters in San Francisco. In 1938 he joined the Phelan-Faust Manufacturing Company, St. Louis, leaving in 1939 to become affiliated with the Grand Rapids Varnish Corporation.

Mr. Buckminster served as president of the Federation of Paint and Varnish Production Clubs in 1929. He was also president of three local clubs,

New Wrinkle Licenses Eight Additional Firms

New Wrinkle, Inc., Dayton, Ohio, has issued, since January 1, 1940, manufacturing and sales licenses for wrinkle finishes to the following companies:—American Lacquer Solvents Company, Phoenixville, Pa.; American Asphalt Paint Company, Chicago; Boydell Bros. White Lead & Color Company, Detroit; Leon Finch, Ltd., Los Angeles; Fulghum & Co., Los Angeles; Louisville Varnish Company, Louisville, Ky.; New England Lacquer Company, Providence, R. I.; Yarnall & Co., Philadelphia, and V.E.P., Detroit.

A.S.T.M. Index Revised

The American Society for Testing Materials has issued an index to all of its 858 standards, as of January 1, 1940. All items are listed in the index under appropriate key-words, simplifying the location of test methods, specifications, or definitions covering particular engineering materials or subjects. A list of the specifications and tests in numerical sequence of their serial designations is also contained in the volume. Copies of the publication are furnished without charge on written request to the society headquarters, 260 South Broad street, Philadelphia.

New England, Chicago, and Golden Gate.

Surviving are his wife, a daughter and a son.

George A. Coleman

George A. Coleman, president of the National-Boston Lead Company, Boston branch of the National Lead Company, New York, died April 9, following a short illness. His age was fifty-five.

Mr. Coleman started as an office boy with the Chadwick-Boston Lead Company in 1898. He was transferred to the factory a few years later and was soon named plant superintendent. In 1926 he was made manager of metal sales. Three years later the company consolidated with the National Lead Company of Massachusetts to form the present firm, and Mr. Coleman was named assistant manager in charge of metals. He became president in 1934.

Dr. Charles L. Reese, Sr.

Dr. Charles L. Reese, Sr., former chemical director of E. I. duPont de Nemours & Co., Wilmington, died from a heart attack in Florida April 12. His age was seventy-eight.

Dr. Reese started with duPont as a chemist in 1902 and was named chemical director nine years later. He retired from active duty in 1924 and until his death acted in an advisory capacity. He was appointed to the company's board of directors in 1917. He was a former president of the American Chemical Society, the American Institute of Chemical Engineers, and the Manufacturing Chemists Association.

William A. Kennedy

William A. Kennedy, former sales manager for Reichard-Coulston, Inc., manufacturer of dry colors, this city, died of a heart attack April 9. He was forty-four years old.

Mr. Kennedy began his career as a chemist with F. A. Reichard, Inc., in 1914 and remained until 1917 when he joined the United States Navy. In 1919, when the firm amalgamated with the J. W. Coulston Company to form the present concern, he returned to a sales capacity. He was named sales manager in 1925 and held that position until ill health forced his retirement in 1936.

Dr. Rodney H. True

Dr. Rodney H. True, professor emeritus of botany at the University of Pennsylvania, and formerly in charge of physiological investigations for the Department of Agriculture, died in Philadelphia April 8. He was seventy-three years old.

Dr. True graduated from the University of Wisconsin with a bachelor of science degree in 1890 and received his master's degree at the same university two years later. During his career he taught in Wisconsin public and private schools and the universities of Wisconsin and Harvard. He was plant physiologist for the Department of Agriculture from 1901 to 1920, when he accepted an appointment as professor of botany at Pennsylvania. He retired in 1937.

William D. Bloodgood, organizer, and for many years president of the North Central Texas Oil Company, this city, died at his Garden City, L. I., home, April 8, following a five-week illness He was seventy-five years of age.

Dana Stedman Carpenter, president of the Vermont Botanical Club, died unexpectedly in Middletown Springs, Vt., April 10. He was seventy-seven years of age.

Dr. Glenn E. Cullen, nationally known authority on biochemistry and pediatric research, and head of the laboratories of the Children's Hospital, Cincinnati, died April 11 of a heart ailment. He was fifty years of age.

William C. Herrick, president of the Herrick Ink Company, this city, died April 4.

William Lansill, broker in tallow, oils and related products in the Buffalo Livestock Exchange for about a half century, died in his home April 4 after an illness of about a year. He was seventy years of age. Surviving Mr. Lansill are three sons, a daughter, two brothers and two sisters.

Dyestuffs, Textile and Leather Chemicals

Business Irregular with Outlook Improved in Some Items —Valonia Beards and Cups Higher—Ground Sumac Easier —Mangrove Bark Lower — Corn Derivatives Firm

Transactions in the market for dyestuffs, textile and leather chemicals were irregular last week. A better demand developed in certain sections, but at the best the improvement was small. The outlook in the tanning trade appeared brighter, with the statistical position in the leather and shoe industry favorable. Activity in the textile trade was still mixed. Efforts were under way to bring about more stabilized conditions in the silk dyeing trade in the Paterson area by appointing a representative for the entire industry. The immediate effect of the war in Scandinavian countries was to curtail exports shipments of corn derivatives to that area.

Demand for tanning materials remained quiet. Changes were mixed. Leaf sumac declined and was now at the same level as the ground material. Mangrove bark was easier, while valonia beards and cups advanced. A fair interest was displayed in egg products; imported egg yolk was easier, but domestic prices held up well. Corn derivatives were firm, with bookings moderate. Natural dyestuffs were quiet. Bichromates moved steady for domestic and export.

Exports of logwood during the past year from Haiti totaled about 7,000,000 kilograms, lowest since 1916, and compared with 1916-17 to 1926-27 average of 41,000,000 kilograms annually. The principal cause of this decrease has been the increased use of chemical dyes in place of vegetable dyes; the diminishing supplies available in Haiti and the low prices offered for the product.

Price Changes

Advanced

Valonia, beards, $2 per ton
cups, $2 per ton

Reduced

Egg yolk, imp., 1c. per lb.
Mangrove bark, $1.50 per ton
Sumac, leaf, $10 per ton

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
143.0	143.0	142.2	139.5

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Shipments held to nearby needs. Prices unchanged.

Alumina Chloride.—Prices hold firm. Dealings moderate.

Ammonia Acetate.—Trading failed to broaden. Prices without change.

Ammonia Bichromate.—Small lots made up the call. Prices firm.

Antimony Salts.—Market nominal. Dealings narrow.

Chrome Acetate.—Trading lacked much feature. Prices without change.

Potash Bichromate. — Shipments against contracts steady. Active export inquiry. Prices rule firm.

Potash Prussiate.—Market position strong. Interest fair.

Soda Bichromate.—Domestic and export demand steady. Less activity in resale market. Prices firm. February exports 2,680.449 pounds, valued $352,722. United Kingdom, Canada, Mexico, British India and Australia took the bulk.

Soda Prussiate.—Dealings routine. Prices well maintained.

Sulphonated Oils. — Prices about steady. Transactions conservative.

Zinc Dust.—Firm price tone. Business moderately active.

Dyestuffs

Annatto.—Buying narrow. Prices lack any change. February imports 31,850 pounds, valued $1,202, of which 24,850 pounds came from Dominican Republic and 7,000 pounds from Ecuador.

Archil.—Spot stocks remain scarce. Prices nominal.

Cochineal.—Market position strong. Stocks small and demand fair. Exports from Canary Islands during 1939 totaled 39,420 kilograms, against 43,672 in 1938.

Fustic.—Fair demand. Prices maintained at same levels.

Hypernic.—Shipments routine. Quotations lack change.

Indigo.—Interest dull. Prices firm.

Logwood.—Usual consumers made moderate replacements. February imports of extract 56,241 pounds, valued at $9,330.

Madder Dutch.—Business quiet. No change in prices.

Turmeric.—Nominal conditions prevail. Offerings light, stocks scarce.

Sizing Materials

Albumen Blood.—Market firm, and demand steady.

Albumen, Egg.—Fair inquiry at times. Domestic and imported quotations steady.

Corn Sugar.—Bookings moderately active. Satisfactory export inquiry. Prices rule firm.

Dextrin, Corn. — Consumers made fair size replacements. Prices unchanged. U. S. visible supplies corn decreased 143,000 bushels in week ended April 6th.

Dextrin Potato.—Prices unchanged. Moderate inquiry.

Egg Yolk.—Imported 1c. lower, ranging from 52c. to 54c. Firmer tone in domestic, with demand fair.

Sago Flour. — Shipments spotty. Prices without alteration.

Starch, Corn. — Demand steady. Prices well sustained.

Starch Potato. — Price rule unchanged. Fair activity.

Starch Rice.—Market lacked any new developments.

Starch Sweetpotato.—Buying fairly steady. Prices unchanged.

Tapioca Flour.—Business irregular. Prices without change.

Tanning Materials

Chestnut Bark.—Demand moderate. Prices firm.

Cutch.—Shipments against contract fair. Quotations unchanged.

Gambier.—Demand dull, and prices nominal.

Hemlock Bark.—Replacement buying conservative.

Hematine.—Buying fair. Prices hold firm.

Mangrove Bark. — Price declined $1.50 to $30 per ton. Business light.

Myrobalans. — Not much activity. Prices remain the same.

Oakbark. — Commitments held to necessary requirements.

Osage Orange.—Buying conservative. Prices rule unchanged.

Quebracho. — Dealings irregular. Prices remain firm.

Quercitron.—No new developments. Market firm.

Sumac.—Leaf reduced $10 to $130 per ton, while ground held at $130 per ton. Demand narrow.

Valonia.—Beards and cups $2 higher at $49 and $37 to $39 per ton, respectively.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Manganese Importance Told

The strategic importance of manganese is dealt with in the leading article in the April issue of *Priorities*, published by the Prior Chemical Corporation, 420 Lexington avenue, this city. The reason for this commodity being placed at the head of the government's list of imported materials essential to national defense is outlined, and an interesting account is given of an incident of the Spanish-American War which led to the development of a dependable source of supply, closer by thousands of miles, than any this country had previously enjoyed.

Monosodium Glutamate Is Artificial Flavor

OPD Washington Bureau
April 10, 1940

Monosodium glutamate, added to a food, is an artificial flavor and should be declared on the label, the Food and Drug Administration has stated in response to an inquiry. Satisfactory labeling would be "artificial flavor" or "vegetable protein derivative, an artificial flavor." However, the inquirer was warned that if monosodium glutamate is added to conceal damage or inferiority the food will be classed as adulterated.

Fluorspar Shipments Up 127 Percent in 1939

Fluorspar shipped from mines in the United States in 1939 totaled 182,771 short tons, against 80,403 tons in 1938, according to the Bureau of Mines. Consumption totaled 176,800 short tons in 1939 compared with 115,100 tons in 1938. Imports in 1939 totaled 16,302 short tons, compared with 19,622 in 1938. Consumption by industry follows:—

	Short tons 1939.	1938.
Basic open-hearth steel	116,200	73,600
Electric-furnace steel	7,600	4,000
Foundry	2,400	2,000
Ferro-alloys	1,100	800
Hydrofluoric acid	26,300	18,900
Enamel	21,400	4,000
Glass		15,000
Miscellaneous	1,800	1,300

Balto. Commerce Assn. Marks Centennial of 62 Companies

Baltimore, April 10, 1940

The Baltimore Association of Commerce recently honored sixty-two companies in this city that have been in existence for one hundred or more years. Included were Muth Bros. & Co., wholesale druggist, 1837; James Corner & Sons, naval stores, 1828; Mutual Chemical Company of America., luchromate manufacturer, 1816; and William C. Robinson & Son Co., oils and greases, 1832.

Coal tar distillation industry output in Canada was valued at $2,895,237 in 1938, compared with $3,339,541 in 1937.

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Coaltar Chemicals

Developments Abroad Bring Further Inquiries for Toluol —Better Export Demand for Phenol—Cresylic Acid Firm Imported Crude Naphthalene Easier—Pyridin Steady

A fair interest was displayed in the market for coaltar chemicals last week. Business gave no indication of receding or expanding to any degree, the slight pickup noticed in some basic chemicals was maintained. Replacement buying, which slackened gradually after January, was expected to show gradual improvement. Developments abroad brought about further heavy inquiries for toluol and more interest was manifested in phenol for export. Prices for domestic material were firm.

Inquiries for nitration toluol reached the market in substantial volume, offerings were scarce, however, and material that passed for export in the resale market was made at very high prices. Less interest was uncovered for benzol and xylol for export purposes. While exports of phenol have not been unusually large, the recent spread of the European War, brought more inquiries than witnessed previously. Offerings of naphthalene were not large, but price was slightly lower. Lack of cresylic acid imports of consequence kept the domestic market in satisfactory position. Pyridin shipments were steady. Creosote oil was firm.

Trading in coaltar acids, intermediates and colors lacked expansion. Exports remained at satisfactory levels. The situation in the Scandinavian countries was not expected to materially retard exports, since shipments were negligible to these countries for some time. February exports of coaltar acids, colors and intermediates were at comparatively high levels, according to the latest statistics released by the Department of Commerce.

Price Changes

Advanced

None

Reduced

Naphthalene, crude, imp., 10c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty typecial coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	125.6

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Domestic shipments moderate against contracts. Sufficient supplies. Fair export inquiry. Prices without change. February exports 2,510,734 gallons, valued at $474,033, of which 2,423,262 gallons went to France.

Carbazol.—Trading quiet. Quotations unchanged and firm.

Coaltar.—Dealings continued routine. Quotations lacked change. February exports 24,071 gallons, valued at $3,297, of which 17,541 gallons went to Canada and 3,928 gallons to Cuba.

Creosote Oil. — Shipments were about fair to major consumers. Prices were firm. February imports totaled 209,232 gallons, valued at $22,547, of which 154,891 gallons came from the United Kingdom and 48,215 gallons from Canada. February exports 28,484 gallons, valued at $5,170, of which 16,065 gallons went to Honduras and 7,465 gallons to Mexico.

Cresols.—Transactions were spotty. Prices were the same and firm. February imports 15,424 pounds, valued at $3,760, all of which came from the United Kingdom.

Cresylic Acid.—Business was fair, replacement buying irregular. Domestic and imported quotations unchanged and firm. February imports only 28,246 gallons, valued at $11,651, all of which came from the United Kingdom.

Naphthalene. — Normal seasonal movement of refined. Trading in crude routine. Prices unchanged. Impoted material dull, offerings made around $2.90 per 100 pounds. February imports 232,640 pounds, valued at $4,216, all of which came from Belgium.

Oil, Shingle Stain.—Buying failed to expand materially. Prices held firm.

Phenol.—A moderate demand was the rule from most consuming channels. A better export inquiry was uncovered. Prices were unchanged. February exports 319,015 pounds, valued at $49,836, of which 130,757 pounds went to the United Kingdom and 112,000 pounds to Belgium.

Pitch, Coaltar.—Business routine. Prices without alteration. February exports 336 tons, valued at $7,620, of which 274 tons went to Canada; imports were 12,500 barrels, valued at $1,601, all from United Kingdom.

Pyridin.—Shipments against contracts steady. Some export business reported. Prices firm.

Tar Acid Oils.—Trading continued conservative. Prices were the same.

Toluol.—Heavy export inquiry for nitration. Offerings scarce, and supplies limited. Prices very firm. Some resale business for export passed at 58c. per gallon for nitration. February exports 2,162,006 pounds, valued at $137,490, of which 939,049 pounds went to Sweden; 715,027 pounds to Spain; 290,942 pounds to Norway, and 110,220 pounds to Japan.

Xylol.—Normal movement to regular consumers. Prices unchanged and firm. Fair export demand. February exports 81,738 pounds, valued at $5,376, of which 32,766 pounds went to Norway and 26,600 pounds to Egypt.

Chicago Coaltar Bases

Demand for coaltar bases holding up relatively well, with the price structure firm. Benzol demand satisfactory. Ruling prices, exclusive of tax, are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Market routine. Prices firm.

Benzoic.—Demand fair. Quotations without change.

Broenner's.—No new developments took place.

Cleve's.—Takings were of a conservative character.

Fumaric.—Several fair-size inquiries were reported. Prices rule firm.

Gamma.—Quotations were unaltered, and dealings modest.

H.—A strictly routine affair. Prices lacked change.

Laurent's.—Buying held to necessary requirements.

Malic. — Moderate buying against contracts. Quotations the same.

Maleic.—Withdrawals spotty. Price-wise firm tone prevailed.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Picramic.—Strong position, but interest was not very broad.

Picric.—Usual consumers supplied the call for nearby needs.

Salicylic.—Shipments moved at a fair pace. Prices were unchanged.

Succinic.—Market was devoid of any new devlopments.

Sulphanilic. — Firmness characterized the trading, and takings were light.

Tobias. — Consumers entered the market when needs became urgent.

Other Intermediates

Alpanaphthol. — Transactions dull. Prices remain unchanged.

Alphanaphthylamine.—Buying narrow. Quotations ruled unchanged.

Anilin.—Demand was only fair. Prices well sustained.

Anthraquinone.—Business lacked expansion. No change in prices.

Benzaldehyde.—Interests was only fair, and prices were the same.

Benzidin Base.—Prices held firm, and dealings routine.

Betanaphthol.—Developments of importance were absent.

Betanaphthylamine. — Moderate inquiry. Prices unaltered.

Diethylanilin. — Demand fair, and prices steady to firm.

Dinitrobenzene.—Satisfactory withdrawals against contracts.

Dinitrochlorobenzene. — Usual consumers provided moderate interest.

Dinitronaphthalene. — Trading proceeded in a routine manner.

Dinitrophenol. — Shipments were light, and prices unchanged.

Dinitrotoluene. — Buying modest, with prices well maintained.

Diphenyl.—Little of interest transpired in this direction.

G. Salt.—Dealings remained along routine lines.

Metanitroparatoluidin. — Market lacked any price change, and trading was narrow.

Metaphenylenediamine. — Small quantities made up the call.

Metatoluyenediamine.—Prices ruled firm, business conservative.

Nitrobenzene.—Spot and contract shipments fairly steady.

Nitronaphthalene.—Shipments were moderate, and prices the same.

Orthochloroanilin. — Not much change occurred in the trading.

Orthochlorphenol. — Takings were not large, but prices firm.

Orthodichlorobenzene. — Commitments were moderate.

Orthonitroanilin. — Quotations without change, and trading modest.

Orthonitroparachlorophenol.— Small quantities made up the call.

Orthonitrotoluene. — Strong price tone, shipments fair.

Orthotoluidin. — Buying did not broaden appreciably. Prices firm.

Parachlorophenol. — Dealings were strictly routine.

Paranitroanilin.—Prices held firm, with transactions fair.

Paranitrochlorobenzene. — Interest was moderate, and prices the same.

Paranitrophenol. — Shipments held close to requirements.

Paranitrotoluene. — Consumers entered market for necessary quantities.

—*Continued on page* 36

Chemical Imports Declined in February

—*Continued from page* 3

138,200 tons valued at $3,061,000, which compared with 106,760 tons, valued at $2,417,000 in the corresponding month of last year.

Imports of other chemicals and related products which recorded increases in February compared with the corresponding month of 1939 included essential oils which advanced in value from $404,000 to $438,000. Imports of industrial chemicals recorded at $1,126,000 in February were approximately the same as in the corresponding month of last year.

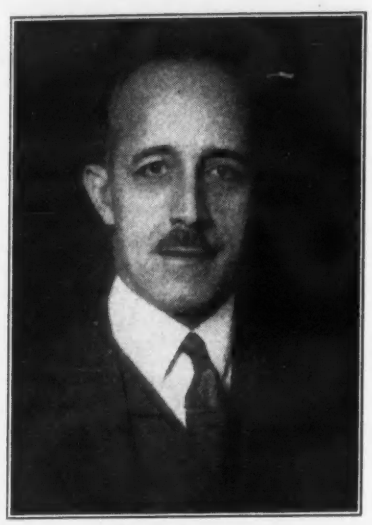
The outstanding decline in February chemical imports occurred with coaltar products, the total value of which was recorded at $418,800 against $1,793,700 in February, 1939. In this group imports of coaltar dyes declined in value from $684,000 to $258,000 during these periods; dye intermediates, from $168,500 to $64,000; and creosote oil, from $670,000 to $22,500.

Asplundh Gen'l Manager Of Columbia Chem. Div.

—*Continued from page* 3

joined the Columbia organization in 1919, following his discharge from the Army at the termination of the World War, in which he served as a captain with the 103rd engineers.

Leaving Columbia chemical in 1929, to become vice-president and general manager of the Pitcairn Aircraft Company and vice-president of the Auto-



Edwin T. Asplundh

giro Company of America, Mr. Asplundh returned to the Columbia organization in 1934 as vice-president and assistant to Mr. Galt, who was a vice-president of the Pittsburgh Plate Glass Company. Mr. Galt had also been serving as president and general manager of the Columbia chemical division, Barberton, Ohio.

A.D.M.A. Arranging Golf and Tennis

The golf tournament at the A.D.M.A. convention this year will be held Tuesday, instead of Wednesday as in previous years. The date will be May 7, the place the old white course at White Sulphur Springs, W. Va.

Herman Dietel will be chief in charge of this year's golfing. He will be assisted by "Joe" Huisking and "Vic" Williams.

A bigger push is being put behind the tennis aspects of the convention this year by "Barkey" Penick, assisted by "Jerry" Furman. Doubles matches are being arranged, and the ladies are invited to participate. The tournament will be staged in the afternoon, May 8.

The American Drug Manufacturers' Association will hold its twenty-ninth annual meeting May 6 to 9 in the Greenbrier hotel, White Sulphur Springs.

Proprietary Medicine Exports Reported for February

Proprietary medicines exported from the United States during February have been tabulated by the Bureau of Foreign and Domestic Commerce. The value of the various classes of products exported in January was as follows:—

Classification.	Value.
Mouth washes and gargles	$33,115
Corn and foot remedies	17,126
Plasters	64,663
Liniments	20,889
Salves for burns, cuts and skin diseases	23,212
Salves for coughs, colds and catarrh.	69,840
Cold, cough and bronchial preparations	76,650
Catarrh, asthma, and hay fever preparations	23,013
Malaria and chill preparations	10,775
Tonics and blood purifiers	178,211
Laxatives and purgatives	78,840
Milk of magnesia	7,417
Digestive preparations	13,107
Headache, neuralgia, and pain remedies	25,117
Other proprietary medicinals	147,227

M. S. Hershey, in the name of the town of Hershey, Pa., has donated to the American Red Cross 1,000,000 cakes of soap for the Finnish victims of war.

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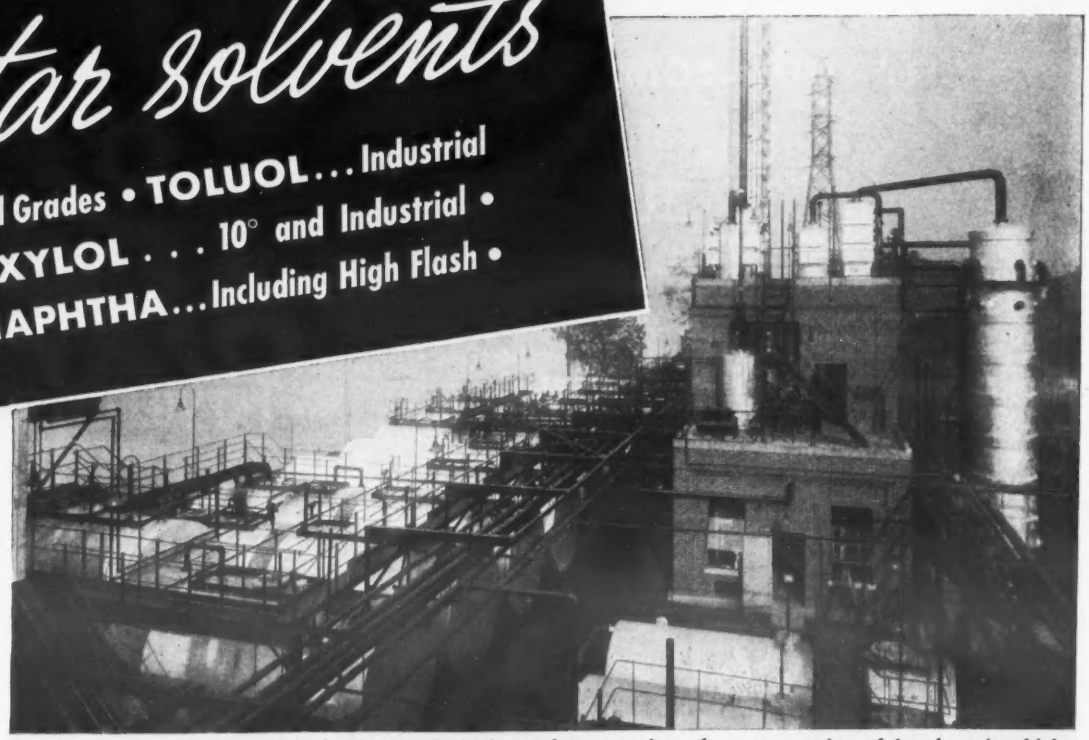

OTHER KOPPERS CHEMICALS AND SOLVENTS

Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid—(99%, pale, low-boiling—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous-base Paints . . . Coal . . . Coke . . . Tanks and Tank Work . . . Removal and Recovery Systems . . . Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber

Experience gained by Koppers in developing, designing and constructing a large proportion of the plants in which coal tar solvents are recovered enables Koppers to produce coal tar solvents of uniformity and dependable quality.

KOPPERS COMPANY · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 35

Paraphenylenediamine.—There was little feature to the trading.

Paratoluene.—Moderate inquiry, with shipments only fair.

Phthalic Anhydride.—Major consumers made satisfactory withdrawals against contracts. Prices ruled unchanged.

R. Salt.—Trading dull. Prices without alteration.

Schaeffer's Salt.—Quotations firm. Transactions routine.

Thiocarbanilide.—Business did not expand, but prices were well sustained.

Toluidin.—Strong price tone. Dealings moderately active.

Xylidin.—Usual consumers made fair size replacements. Prices unchanged.

Coaltar Colors

The character of business displayed little change either way last week. Shipments moved against contracts moderately in most directions, with consumers content to keep replacements close to actual requirements. Developments abroad were watched carefully, and the spread of war to the Scandinavian countries was not expected to materially affect exports since comparatively little material passed in these markets. It was too early to discern whether the exports to other countries will expand as a result of the latest turn of events in Europe. February exports of colors, dyes and stains totaled 2,583,681 pounds, valued at $1,116,412, of which 254,093 pounds went to the United Kingdom; 319,932 pounds to Canada; 98,582 pounds to Mexico; 99,240 pounds to Colombia; 707,616 pounds to British India; 653,796 pounds to China and 47,282 pounds to Australia. No shipments were made to Norway, while Sweden took only 6,704 pounds. February imports to this country amounted to only 160,913 pounds, valued at $257,711, of which Germany shipped 112,373 pounds and Switzerland 40,752 pounds.

Vat Dyes Shown Useful as Pigments

The possibilities of vat dyes in supplying the inadequacy of existing pigments in certain phases of industrial application were presented by C. K. Black, of E. I. du Pont de Nemours & Co., before the division of paint and varnish chemistry of the American Chemical Society in Cincinnati April 10. Noting the particular inadequacy of pigments in meeting requirements of extreme light-fastness in pale shades, Mr. Black said that these problems are encountered in the wallpaper industry, in the production of printing inks for outdoor poster work, and in the production of paints and lacquers for use on automobiles, signs, house trimmings, and elsewhere. The introduction of the so-called "metallic" finishes now so popular on automobiles showed that certain pigments which had been satisfactory in full shades were not sufficiently fast to produce the light iridescent tints which were desired by automobile stylists and by the public.

The excellent properties of vat dyes on textiles are well known; the term, "dyed with vat dyes," means the ultimate in fastness to light and washing. In addition, laundries appreciate the fact that such dyeings are fast to chlorine bleach, dry cleaning, rubbing, perspiration, and hot pressing, and that they can be washed with white goods without fear of staining the whites. Some of these qualities of vat dyes are the ones required in pigment work.

Several interesting things have been found, Mr. Black said. For instance, in a nitrocellulose lacquer, such as is used on signs or automobiles, panels which have been exposed in Florida show that in pale shades a vat dye blue exhibits practically no fading; while an iron blue has faded quite badly, and an ultramarine blue has faded completely. Vat blues and violets are the only pigments found to date which can be used to shade the extremely fast phthalocyanin (greenshade) blues to red-shade blues without sacrifice in light-fastness. A vat type maroon pigment has been found more durable than azo maroons previously used and which several years ago were notoriously poor in durability.

In addition to the above-mentioned uses, vat dye pigments find application in coldwater paints, plastics, the dyeing of paper, rubber, and linoleum.

In general, vat dyes as sold to the textile trade are not in the proper physical form for pigment use. It is necessary to treat them in such a way that optimum pigment characteristics are obtained. This treatment differs greatly, depending on the dye and the use to which it is to be put. For instance, on wallpaper, a sample of a vat pink which has been ground to a very fine particle size exhibits a great deal more tinctorial strength than a sample prepared for textile dyeing.

Vat dyes are more expensive than most pigments in use today, but it appears that for certain purposes they are the only type which will solve certain pigment problems. Since their outstanding property is fastness to light in pale tints, their cost does not necessarily exclude them. The amount of pigment required to produce such a tint is small, amounting in most cases to only a small fraction of a pound per gallon of paint or ink.

Paint Style Selector Prepared by duPont

To facilitate the selection of color styles in the painting of house exteriors E. I. du Pont de Nemours & Co., Wilmington, Del., has prepared a booklike combination of transparent prints of houses and color sheets, which by transposition visualize more than 180 color combinations in actual paint colors. This device, called the "Exterior Color Selector," supplements the small color samples or "chips" long used to show paints. Its color sheets are almost a foot square, hence enable color schemes to be judged accurately through a demonstration of various hues and shades in relation to their surroundings.

The selector is divided into three sections. One is devoted to colors for siding, with suggested shutter combinations. The plastic sheet, printed in full color, folds over this section to picture an entire house. The user may insert many shutter and siding colors under this overlay to see how the house will look when painted in various colors.

The second section permits a large-scale inspection of shutters and trim in detail. Two sample shutters are exhibited, one on white siding and one on buff. Color sheets may be inserted to show the shutters in various colors. Notations on the back of each sheet identify the color and suggest those which will blend well with it.

The first section explains that the book is "dedicated to the home-owner by the painting and decorating contractor," for whom it is primarily intended. An explanation of what paint styling can do for a house is illustrated with pictures of seven houses of Colonial, French Provincial, Spanish, English, and modern architectural designs. The effect of color and size, contrast with surroundings, roof colors, methods of painting dormers and gables are explained. Colors which make houses appear larger or smaller are described. Suggestions are also made to the home owner on color and tint correlations.

This book augments the "Interior Color Selector," issued last Spring by the du Pont company.

Bids Wanted

Alcohol, Denatured:—600,000 pounds for White Plains, Md.; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 1293, opening April 19.

Arsenic Acid:—40,000 pounds; Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; procurement 8252, opening April 16.

Cutting Oil:—1,000 gallons; Commanding Officer, Watervliet Arsenal, N. Y.; procurement 579, opening April 18.

Ether:—1,591,600 pounds for White Plains, Md.; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 1229, opening April 19.

Lard:—100,000 pounds; Purchase Agent, Government Printing Office, Washington; opening April 17.

Mercury Chloride:—400 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1355, opening April 19.

Oil, Diesel:—35,000 barrels; General Purchasing Officer, Panama Canal, Washington; schedule 4010, opening April 15.

Fuel:—Supplies for West coast; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 1257, opening May 2.

Supplies for East coast; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 1259, opening May 9.

2,200 barrels; U. S. Engineer Office, Mobile, Ala.; procurement 273, opening April 18.

Road:—60,000 gallons; U. S. Engineer Office, Vicksburg, Miss.; procurement 188, opening April 15.

Paints:—Supplies of U. S. Engineer Office, N. Y. District, Army building, N. Y.; procurement 253, opening April 19.

Phenothiazine:—1,000 pounds; Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; procurement 8252, opening April 16.

Polish, Liquid:—5,000 gallons; Purchasing Agent, Post Office Department, Washington; procurement 178, opening April 26.

Soda Ash:—4,500 pounds; Commanding Officer, Augusta, Ga.; procurement 38, opening April 25.

Caustic:—35,300 pounds; Purchasing & Contracting Officer, Brooklyn; procurement 626-310, opening April 18.

Strontium Nitrate:—5,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; procurement 1596, opening April 16.

Sulphuric Acid:—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1357, opening April 19.

Superphosphate:—40,000 tons; Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; procurement 8324, opening April 15.

Wax, Floor:—14,500 gallons; Purchasing Agent, Post Office Department, Washington; procurement 179, opening April 24.

Contracts Awarded

Shellac, Orange:—100,000 pounds; awarded to the Colony Import & Export Corporation, N. Y., at 13.69c. per pound, by the Bureau of Supplies & Accounts, Navy Department Washington, for Portsmouth, Va.; schedule 900-3224, opening April 4.

McK.& R. Sales Up

Net sales of McKesson & Robbins, Inc., for the first quarter of 1940 were 4.95 percent above the corresponding period of 1939, according to preliminary figures just released by William J. Wardall, trustee. Sales for the quarter were $37,497,770 compared to $35,730,257 in 1939.

The drug and sundries department accounted for $28,283,506, an increase of 6.31 percent over sales of $26,605,073 in the 1939 quarter, according to the preliminary figures. McKesson's March sales declined two percent as compared to March, 1939, being $12,735,082 against $12,995,268.

Harold H. Rose has resigned as sales manager for the Warwick Chemical Company, this city.

REPUBLIC TOLUOLS
NITRATION-COMMERCIAL
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ALSO
BENZOLS 1°—2°—90% · Motor
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Excellent solubility in drying oils, alcohols and hydrocarbon solvents. Compatibility with alcohol-soluble materials, nitrocellulose and lacquer gums. Clean, uniform!
B-2
THE NEVILLE COMPANY
PITTSBURGH • PA.

Paint, Varnish, Lacquer Materials

Pig Lead Up—Car Lot Prices of Lead Oxides Advanced—Lake C Toner Reduced — Rosin and Turpentine Offerings Withdrawn by Government

Following recent downward tendencies, the market for pig lead firmed last week due to more active buying, and prominent producers advanced the price at New York and East St. Louis. The car lot prices of the lead oxides advanced with the metal, but the less car lot quotations remained unchanged.

The general market for raw paint materials was improving during the period under review. Warmer weather prompted a better interest on the part of buyers and prominent producers reported a more active market.

Pigments were in better call, with titaniums and zinc oxides the pacemakers. The invasion of Norway will probably halt shipments of ilmenite to this country, but ample supplies of this titanium-bearing ore are available from India. Dry color business was better, with carbon black consumption at peak levels. Another color entered the price-shading picture when Lake C toner was reduced by prominent factors in the market. Casein was firmer in view of a more active buying interest.. Rosin and turpentine declined early in the week on increasing receipts, but later the tone turned firmer on an announcement from Washington that all offerings of government holdings would be withdrawn, effective today. Business was on a fair scale.

Price Changes

Advanced

Lead, metallic, $2 per ton
oxides, c.l., 10 points per lb.

Reduced

Red, Lake C toner, 20c. per lb.
Rosin, gum, 15 to 30c. per 280 lbs.
Turpentine, gum, 1½c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.7

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Following two recent reductions, the price of pig lead was advanced 10 points by leading producers on April 10. The new quotation was 5.10c. to 5.15c. per pound at New York and 4.95c. per pound at East St. Louis. The advance did not discourage buying and the market remained active throughout the period under review. The slab zinc market was fairly quiet with buying routine and price steady and unchanged. The American Zinc Institute reported that March sales of prime Western zinc for March delivery amounted to 2,029 tons at a weighted average selling price of .05739, and March sales for subsequent delivery totaled 905 tons at a weighted average selling price of .05750. There were also 1,275 tons sold for subsequent delivery at average prices.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from April 6 to April 12, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0500@.0505	$0.0485	..* .. ..
Monday	.0500@.0505	.0485	.. .. ..
Tuesday	.0500@.0505	.0485	.. .. ..
Wedn'sd'y	.0510@.0515	.0495	.. .. ..
Thursday	.0510@.0515	.0495	.. .. ..
Friday	.0510@.0515	.0495	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from April 6 to April 12, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0515	$0.0575	..* .. ..
Monday	.0515	.0575	.. .. ..
Tuesday	.0515	.0575	.. .. ..
Wednesday	.0515	.0575	.. .. ..
Thursday	.0515	.0575	.. .. ..
Friday	.0515	.0575	..* .. ..

* London exchange closed.

Pigments

Litharge.—Price of carload lots was advanced 10 points due to increase in pig lead. Demand better last week.

Lithopone.—Shipments to mixers were heavier. Inquiries more numerous. Price steady and unchanged.

Metronite.—Pick-up in demand reported. Price firm.

Orange Mineral.—Increase in pig lead did not influence market to any marked extent. Demand improved. Price firm.

Red Lead.—Buyers more interested in supplies last week. Hike in pig lead caused 10-point advance in carload lot prices.

Titanium Pigments. — Market remained active with demand at high level noted for previous week. Prices firm and unchanged.

White Lead.—Inquiries more numerous. Contract shipments heavier. Price firm and unchanged.

Zinc Oxides.—Increase in consumption reported. Inquiries more numerous. Prices firm.

Fillers and Extenders

Barytes.—Contract shipments heavier. Spot demand routine. Prices firm and unchanged.

Blanc Fixe.—Slight tightness reported. Buyers more active. Shipments heavier. Prices very firm.

China Clay.—Normal and routine. Pick-up looked for. Price steady and unchanged.

Graphite.—No new developments. Demand at previous levels. Price steady.

Gypsum.—Improvement in trade reported. Demand heavier. Inquiries better. Price firm.

Mica.—Shipments normal. Demand at previous levels. No change in listed price.

Rottenstone.—Routine trade. Market firm.

Talc. — French material nominal. Sales curtailed. Supplies in this country low. Other grades routine and firm.

Tripoli.—Better demand reported. Price steady.

Woodflour.—Listed prices for imported material withdrawn. Stocks low in this country. Further shipments from Norway doubtful. Heavier interest in domestic grades expected. Prices firm.

Naval Stores

The principal development in the naval stores situation last week was an announcement from Washington on Thursday that all government offerings of rosin and turpentine would be withdrawn from the market, the order becoming effective April 15 and

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Roll in the Barrels
of
PARADURA 540
an outstanding heat-hardening 100% pure phenolic.
PARANOL 54-E
an extremely hard, modified phenolic, very pale and soluble in mineral spirits.
PARANOL 1650
a low-priced modified-maleic resin, pale and hard.
and Roll out Better Finishes

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PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

THE WEATHER CHANGES..

MAPICO *Browns* DO NOT!

A good outside sash and trim paint must retain its color and gloss in the face of all types of weather. And these are requirements that *Mapico* Browns fill to perfection.

These pure oxides of iron are absolutely permanent in color —they will not fade. They are inert pigments and will not react to the sun's rays or any other kind of weathering. Their great strength permits the use of a greater percentage of vehicle, producing coatings with a fine, enduring gloss.

MAPICO Browns are "single pigment" colors with shades otherwise obtainable only by combination of several pigments. Like all MAPICO Colors, they are adapted to synthetic finishes.

MAPICO *Colors*

PURE OXIDES OF IRON

DIVISION OF COLUMBIAN CARBON COMPANY

MAGNETIC PIGMENT CO.
BINNEY & SMITH CO., *Distributors*
41 EAST 42ND STREET, NEW YORK, N. Y.

YELLOWS
REDS
BROWNS
BLACK

continuing in force until further notice. This action came as a surprise and was regarded by some as an effort to check the downward trend of prices in primary markets, further declines being recorded early in the period in both rosin and turpentine. The tone of the markets here and in the South showed improvement following the announcement from Washington.

The increase in receipts in Southern markets during the week was not very pronounced but there was a belief that a further expansion in the movement from the interior was likely to be witnessed in the near future unless weather conditions should change for the worse. Temperatures at some points last week were still rather low, but warmer weather prevailed in many sections and there was less precipitation, these conditions being favorable for pushing operations in the woods where the prolonged winter weather delayed production during the closing weeks of last season.

Domestic trade in the South was on a fair scale last week and somewhat larger than in recent preceding periods, but demand was not sufficient to absorb the increase in daily offerings. There were reports of inquiries for rosin from the Far East, but actual sales were apparently not of much importance.

Turpentine. — Consumers were not disposed to purchase ahead to any extent last week, but there was a fair movement of small or moderate quantities to local and other buyers. A further decline early in the week was followed by a steadier tone later on.

SAVANNAH, April 12.—Turpentine fairly active. Following is a record of the market for the week:—

	Cents (gal.)	Barrels Sales.	Receipts.	Shipments.	On hand
*Saturday	...	...	...	...	...
Monday	29¾	101	64	253	10,092
Tuesday	29½	100	203	10	10,285
Wednesday	28	113	123	37	10,371
Thursday	28¼	90	193	1,526	9,038
Friday	28¾	63	169	267	8,950

* No trading.

JACKSONVILLE, April 10.—Turpentine receipts, week ended today, 296 barrels; shipments 482; stock 36,012.

PENSACOLA, April 6.—Turpentine receipts for week 64 barrels; shipments 368; stock 10,527.

Chicago—April 12

CHICAGO, April 12.—Turpentine trade has been fair. Five-drum lots, 42c. per gallon; five wood barrels, 47c.; single drums, 45c.; single barrels, 50c.

LONDON, April 12.—Turpentine 54s. 9d. per 112 pounds. Stocks of American as follows:—

	April 5.	Previous week.	Last year.
Barrels	15,267	16,127	21,930

Rosin.—Business here was more active last week. Purchasing was still generally confined to comparatively small lots, but an increase was noted in some quarters in the request for such quantities. The market was easier early in the week and steadier later on.

SAVANNAH, April 12.—Rosin more active. Following is a record of the market for the week:—

	Price per unit *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$4.30	$4.30	$4.20	$4.20	$4.20
D	...	4.50	4.50	4.30	4.30	4.35
E	...	4.85	4.85	4.60	4.65	4.65
F	...	5.00	5.00	4.90	4.90	4.95
G	...	5.10	5.00	4.90	4.95	4.95
H	...	5.15	5.00	4.90	4.95	4.95
I	...	5.20	5.10	4.90	4.95	4.95
K	...	5.25	5.10	4.90	4.95	4.97½
M	...	5.25	5.10	4.90	4.95	5.00
N	...	5.40	5.20	5.20	5.20	5.20
WG	...	5.55	5.55	5.35	5.35	5.40
WW	...	6.10	6.10	6.10	6.10	6.10
X	...	6.10	6.10	6.10	6.10	6.10
	Barrels					
Sales	...	236	341	856	53	380
Receipts	...	1,015	753	388	173	395
Shipments	...	1,045	800	13	1,202	383
Stocks	...	...	...	...	...	170,605

* No trading.

JACKSONVILLE, April 10.—Rosin receipts, week ended today, 1,428 barrels; shipments, 3,760; stock, 312,972.

PENSACOLA, April 6.—Rosin receipts for week, 139 barrels; shipments, 1,123; stock, 50,895.

Chicago—April 12

The rosin market has been rather quiet. B grade, $7.85 per lot of 280 pounds; G grade, $8.50; M grade, $8.65; W.W. grade, $9.35.

LONDON, April 12.—Rosin, W.W., 35s. per cwt.

Pine Oil.—Prices maintained. Market tone steady. Trade somewhat better.

Pitch.—Quotations unchanged. Fair demand for moderate lots.

Rosin Oil.—Prices generally held at previous levels. Business quiet.

Tar. — Fair movement on contracts and transient orders. Prices steady.

Varnish Gums

Copals.—Domestic markets quiet but firm. Prices unchanged.

Dammars.—Slightly better interest reported. Markets firm here and abroad.

Elemi.—Movement to consumers at previous levels. No changes in quoted price.

Synthetic Resins

Ester Gum.—Slackening in contract negotiations reported. Deliveries heavier and more regular. Spot demand light. Prices firm and unchanged.

Chlorinated Rubber.—Sales volume slightly better. Price firm.

Lacquer Materials

A satisfactory buying interest prevailed in the market for most lacquer materials and solvents last week. It was still too early to discern what effects the latest war developments will have on the market for certain materials. Heretofore, this country exported fair size quantities of acetone and other lacquer materials to Scandinavian countries. The outlook for domestic business seemed more encouraging, with operations in the automotive and other industries apparently due for some seasonal expansion. Pricewise the market lacked any new developments, and the general tone was firm.

Acetone.—Shipments steady. Export inquiry active. Prices firm.

Alcohol, Butyl.—Satisfactory interest. Prices hold the same.

Butyl Acetate.—No change in prices, with trading moderately active.

Cellulose Acetate. — Consumers entered market for necessary replacements. Prices ruled firm.

Dibutyl Phthalate. — Dealings routine. Pricewise a firm tone prevailed.

Diamyl Phthalate.—Prices unchanged and firm. Fair interest.

Dichlorethyl Ether.—Shipments moved against contracts at steady pace. Prices without alteration.

Ethyl Acetate.—Demand steady. Prices remain unaltered.

Ethyleneglycol.—Fair demand. Prices well sustained.

Isopropyl Acetate. — Transactions moderately active. Prices unchanged.

Methyl Acetate. — Usual consumers provided satisfactory interest.

Tricresyl Phosphate.—Firm price tone. Shipments steady to regular channels.

Dry Colors

Bone, Black.—Movement into consumption heavier. Prices firm for all grades.

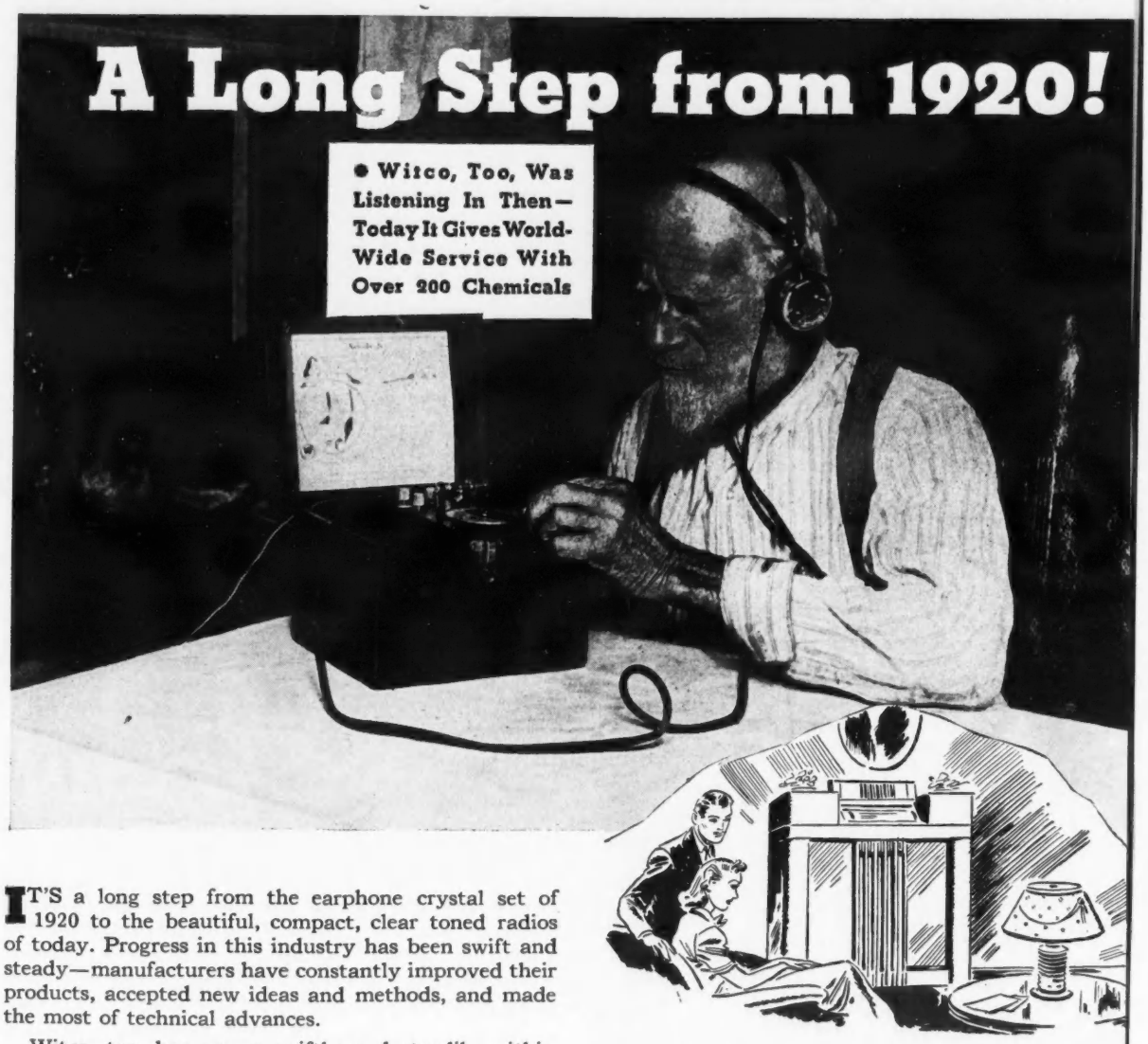
Carbon Black.—Tire manufacturers remained heavy buyers. Paint and ink mixers more active. More numerous inquiries reported for all grades. Prices steady and unchanged.

Chrome Green.—Contract delivery of C.P. material at higher level. Spot sales increased. Price firm.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

A Long Step from 1920!

• Witco, Too, Was Listening In Then— Today It Gives World-Wide Service With Over 200 Chemicals



IT'S a long step from the earphone crystal set of 1920 to the beautiful, compact, clear toned radios of today. Progress in this industry has been swift and steady—manufacturers have constantly improved their products, accepted new ideas and methods, and made the most of technical advances.

Witco, too, has grown swiftly and steadily within the progressive chemical industry for the same reasons. Organized in 1920, Witco has risen to a leading position as a supplier of chemicals, oils, pigments, asphalts and many other products used throughout the industr world—in rubber, paint, inks, paper, steel, textil leather, oil, plastics, cosmetics, building supplies. Th growth has been possible because the company adap itself to the changing needs in chemicals, provides ne and improved materials when they are needed and whe they are needed. Witco invites you to test the quali of its products and service.

STEPS OF PROGRESS

Traced here is the company's rise to its present important position.

1924—First Witco acquisition, the famed Pioneer Asphalt Company.

1925-1928—Branch offices established in Chicago, Boston and Cleveland, and the home office moved to New York.

1928—Century Carbon Company, producers of carbon black.

1933—Panhandle Carbon Company, also large producers of carbon black.

1935—The Witco Oil & Gas Company was formed. Witco extended its activities to Europe by opening London office under the name of Harold Wilson & Witco, Ltd.

1939—New asphalt plant and research laboratory in Chicago, one of the world's most up-to-date producing units.

WITCO

WISHNICK-TUMPEER, INC

Manufacturers and Importers

New York, 295 Madison Avenue • Boston, 141 Milk Street • Chicag Tribune Tower • Cleveland, 616 St. Clair Avenue, N. E. • Dallas, Tex 610 Dallas National Bank Building • Witco Affiliates: Witco Oil & G Company • The Pioneer Asphalt Company • Panhandle Carbon Compa Harold Wilson & Witco, Ltd., 6 Portman Mansions, Baker Street, London, W. 1, England

BUY DIRECT AND PROFIT DIRECTL

Chrome, Yellow.—Demand better than previous week. Contract deliveries larger. Price steady and unchanged.

Iron Blues.—Broader demand reported. Inquiries more numerous. Prices firm and unchanged.

Lake C Toner.—Reduced 20c. per pound to 90c. per pound for contract and open order. Market quiet.

Mercuric Oxides.—No increase in activity reported. Movement of both technical red and yellow materials routine. Prices firm and unchanged.

Ocher.—More buying interest reported. Shipments on contract heavier. Price firm.

Scarlet Ink Toner.—Recent reduction did not promote buying interest as yet. Market quiet and routine. Price steady.

Toluidine Toner.—Deliveries normal. Price steady.

Ultramarine Blue.—Firm and unchanged.

Vermilion.—Little demand in market. Prominent producers still quote broad price range.

Shellac

The situation changed very little. Prices were a little softer without being actually lower on bonedry material. T. N., and superfine were in a position favorable for consumer operations but the activity of buyers was limited to the coverage of comparatively small requirements. Calcutta showed a deal of stability and it was felt that quotations would continue to be maintained at levels closely approximating those not current in the primary market. All in all, it was an uneventful week during which volume of trade was less than normal for the current period of the year.

Bronze Powders

Aluminum Paste and Powder.—Contract negotiations were proceeding satisfactorily. Spot demand light. Prices steady and unchanged.

Glues and Binders

Casein. — Domestic grades were firmer and unchanged. Demand was slightly better. Inquiries were more numerous. Argentine material was quoted at prior price levels.

Glues.—Prices were firmer during the week. Movement into consumption was better. Inquiries were more numerous.

Drackett Co. Building $1,500,000 Soybean Unit

The Drackett Company, Cincinnati, is erecting a soybean processing plant on a 75-acre tract at Sharon and Lockland roads, south of Sharonville. The plant, scheduled to get into operation in September, will cost approximately $1,500,000. The Drackett organization has been operating a soybean processing unit at 5020 Spring Grove avenue since 1937.

N.Y. Paint Club Proposes Beatty for President

C. Francis Beatty, of the Socony Paint Products Company, has been nominated for the presidency of the New York Paint, Varnish and Lacquer Association. The nominating committee also submitted the names of Micheal J. Merkin, of the M. J. Merkin Paint Company, for vice president; Louis Gillespie, of Gillespie-Rogers-Pyatt Company, for secretary, and Hendrick E. Hendrickson, of S. Winterbourne & Co., for treasurer.

The election will take place at the next regular meeting of the association which will be held May 9 in the Hotel Biltmore. Nominated for a term of two years on the executive committee were:—Dean C. Anderson, of the Brooklyn Varnish Manufacturing Company; D. J. Healy, of the Spencer Kellogg & Sons Sales Corporation, and Harry C. Soffer, of the Paragon Paint & Varnish Corporation. For one year:—O. J. S. deBrun, of the Egyptian Lacquer Manufacturing Company. There were also sixteen delegates and sixteen alternates nominated to the fifty-third annual convention of the national association.

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carefully processed and supervised in order to give the best results in your formulations

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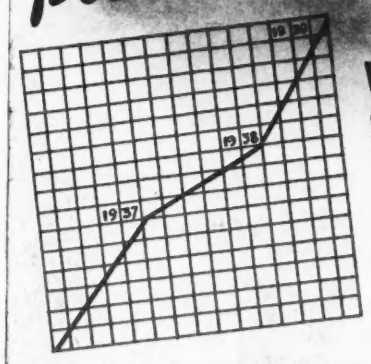
MICA OPENS UP NEW *Possibilities* For PAINTS



USE OF WATERGROUND MICA SKYROCKETS IN THE PAINT INDUSTRY

Because of proven results

FLAT, FLAKE LIKE PARTICLES INCREASE PAINT LIFE

With all the advantages of a lamellar pigment . . . yet (1) CHEMICALLY INERT . . . it is (2) ANTI CORROSIVE . . . and (3) RESISTS ELECTROLYTIC ACTION.

INVISIBLE FLAKES 1/25,000 OF AN INCH THICK

The Mica Flakes which have been delaminated to between 1/2 to 1 1/2 microns (4) INCREASE ADHESION and (5) RESIST penetration of MOISTURE while the valve-like action of the particles permits escape of moisture from the wood.

Waterground Mica (6) CONTROLS WEATHERING, (7) CHALKING, (8) CHECKING and (9) CRACKING. (10) Increases FLEXIBILITY, and (11) TINT RETENTION.

WET GROUND MICA ASSOCIATION, Inc.

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FAMINE IN CHINA-WOOD?

Forget it...Here's DUREZ 209!

Don't let the scarcity of china-wood oil bother you too much. Here's a specially developed Durez resin that really "does a job" with lower cost oils such as linseed, fish, soybean, dehydrated castor and alkali-refined perilla!

It's Durez resin 209—and it will permit the substitution of any one of these oils for china wood up to 75 per cent. A terpene phenolic, it produces an excellent finish with high alkali resistance, fast set, overnight dry and an unusually hard film. It has good boiling water resistance, too, and yields varnishes of low acid number.

Durez 209 comes to you with more than three years of field study and laboratory testing behind it. We *know* what it will do—and you can be *sure* of its performance. For samples and suggested formulations write Durez Plastics & Chemicals, Inc., 524A Walck Rd., North Tonawanda, N. Y.

DUREZ PLASTICS & CHEMICALS, INC.

RESINS THAT FIT THE JOB

N.Y. Credit Association Absorbs Construction Agency

The Materials Men's Mercantile Association, a long-functioning reporting agency in the construction industry, has been absorbed by the New York Credit Men's Association and will be known as the Construction and Allied Industries Division of the latter organization. It will operate within the association's service bureaus under the supervision of L. Francis Ray and his staff from the managerial office of the former association.

The credit men's organization, says William Walker Orr, secretary, plans an expanded and vigorous service for the construction industries of the entire metropolitan area.

American Can Boosts Paint-Up

During April, the hundreds of motor trucks operated by the American Can Company in many parts of the country have on their sides a large colored

poster of the design pictured herewith, carrying the "Clean-Up and Paint-Up" message to thousands of home-owners. This is the seasonal feature in the company's campaign to promote products packed in "Canco" containers. The line featured is changed monthly.

Raymond Pingree has joined the technical staff of the Warwick Chemical Company, this city.

Paint Trucking Rates Await I.C.C. Approval

—Continued from page 3

tent, was sustained by the executives.

There are a number of commodity rates on a basis lower than 35 percent of first class, maintained between key points, and the effect of the action will be to increase these to 35 percent of first class. "Except for the class 44 rating, minimum 10,000 pounds," reads the carriers' announcement, "rates will generally equal those of the rail carriers."

An additional item on this docket contemplated removal of aluminum powder from the exceptions tariff, which would have increased the rates about 50 percent. Mr. Lewis, for the Reynolds Metals Company, objected to this proposal, and Mr. Leveille, called attention to the action of Official Classification Lines approving a proposal to establish this basis for rail movements. The truck operators concluded not to disturb the aluminum powder rating.

These matters were considered at a meeting of the truck operators' executives in Louisville. The paint industry was represented, in addition to Mr. Leveille and Mr. Lewis, by Robert Munro, of the Advance Paint Company; Earle Ross, of the Armstrong Paint & Varnish Company; W. J. Kenny, of the Con-Ferro Paint & Varnish Company; Harry L. Keown, of E. I. du Pont de Nemours & Co.; Floyd R. Hysell, of the Glidden Company; A. A. Cambridge, of the Indianapolis Paint & Color Company; W. W. Evans, of the Jones-Dabney Company; W. D. Hottle, of the J. F. Kurfees Paint Company; Fred J. Hamerin, of the Lilly Varnish Company; S. W. Kellerman, of the Louisville Varnish Company; W. P. Pashley, of Benjamin Moore & Co.; Robert S. Stith, of the Peaslee-Gaulbert Paint Company; George Gable, of the Perfection Paint & Color Company; A. B. Gartner, of the Perry & Derrick Company; E. R. Spangenberg, of the Pittsburgh Plate Glass Company; S. C. Hensley, of the Sewall Paint & Varnish Company; L. E. Yost, of the Sherwin-Williams Company; and Otto Schwark, of the Stille-Young Corporation.

Litter to Sell for Krumbhaar In N.Y., Boston, Philadelphia

Krumbhaar Chemicals, Inc., South Kearny, N. J., has appointed the D. H. Litter Company, manufacturers' agent, this city, as selling agent in New York, Philadelphia and Boston for its modified phenolic resins.

The new plant of Krumbhaar Chemicals, Inc., formed recently by Dr. William Krumbhaar, will, for the time being, produce the following grades of resins:—101 Krumbhaar all-purpose modified phenolic; 202 Krumbhaar weatherproof modified phenolic, and 303 Krumbhaar copalized modified phenolic. These resins are claimed by the company to be suitable for the soft drying oils. Deliveries on the three grades will be available next month.

Paint Brands Wanted

A request is being circulated by Charles J. Caspar, chairman of the trademark committee of the National Paint, Varnish and Lacquer Association, for the purpose of getting up-to-date information on trademarks, trade-names, and brand names in use in the paint, varnish, and lacquer industry. The associations trademark bureau maintains an extensive file of identification marks in the industry as a part of its free advisory service to manufacturers with reference to the selection of noninfringing designations.

The association publishes a directory of trademarks from time to time, and a new edition is in course of compilation. Data should be sent to the association, 1500 Rhode Island avenue, N.W., Washington.

Zinc Output Up in 1939

Primary slab zinc production in the United States totaled 507,236 short tons in 1939, compared with 446,341 short tons in 1938, according to the Bureau of Mines. Output of redistilled secondary totaled 50,428 short tons in 1939, against 36,613 short tons in 1938. Primary zinc from domestic ore totaled 491,058 short tons. Brass-making used about 70 percent more than in 1938.

LAMP CARBON BONE **BLACKS** LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for thirty years by
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Have You a DRYING PROBLEM?
SOLIDS-LIQUIDS-GASES-SOLIDS-LIQUIDS-GASES-SOLIDS
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AIR, OXYGEN, HYDROGEN, CARBON DIOXIDE, SULFUR DIOXIDE, METHYL CHLORIDE, ALCOHOLS, ESTERS, ETHER, ACETONE, PYRIDINE, FORMIC ACID
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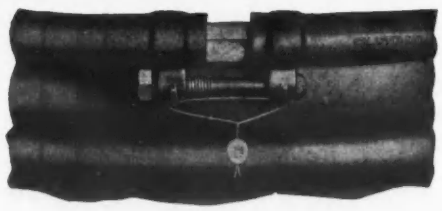
Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
STANDARD ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

Ship with Safety in
THORNTON BOLTED RING SEAL DRUMS
Easy to Seal



Made in any size, 1 to 75 gal'ons

Ship solids, semi-solids or liquids in these safe, convenient drums and be free from container troubles.
The lugs are an integral part of the rim—solid and secure.
A simple, foolproof bolt and nut secures the cover.
Shipping tags or seals are quickly and easily attached.
Why not standardize on Thornton Drums now?
Write for complete information on Thornton Steel Containers.
THE F. C. THORNTON CO.
6712 Union Avenue, Cleveland, Ohio

Processing Tung Oil

By Dr. Henry G. Knight

Chief, Bureau of Agricultural Chemistry and Engineering, United States Department of Agriculture

Address delivered April 3, 1940, to the American Tung Oil Association at its annual meeting in Tallahassee, Fla.

Continued from April 8 issue

Research Laboratories

The new Federal laboratories that have been set up to carry on this research are located at Gainesville, Fla., for the eastern part of the tung oil belt, and at Bogalusa, La., for the western section. There are now two chemists and a number of agronomists at Gainesville and a like number at Bogalusa. The Bogalusa laboratory is located on the second floor of the Post Office building, and the Gainesville laboratory in the Woodbridge building at 217 West Main South. I mention these locations so that those of you who desire to visit these laboratories may know where to go. And I'd like to say that visitors are welcome at all times. Just remember that the government official hours are from 8:00 in the morning until 5:00 in the afternoon, and until 12 o'clock on Saturday, but the men usually work much later.

At Picayune, Miss., a pilot plant is being erected now to carry the research beyond the laboratory scale. The equipment for this plant is being furnished by L. O. Crosby & Sons, and it will be operated cooperatively by the Bogalusa laboratory and Mr. Crosby's company. Under the cooperative agreement the results of the research at this plant will be made available to the public. A pilot plant is, as most of you know, a semicommercial plant or a commercial plant on a very small scale. It's the stepping stone between the test-tube and the commercial plant, and a very important stepping stone at that, because test-tube results don't always pan out successfully when tried out on a factory scale. The pilot plant bridges that gap. The pilot plant at Picayune will enable our scientists to make a semicommercial or small commercial-scale study of the solvent method of extracting the oil from the tungnut.

The method of extracting the oil in China and at present in this country is by squeezing it out in presses. This method leaves considerable oil in the cake, and we'd like to know whether we should continue to use presses or change to solvents. The tung kernel contains from 50 percent to 65 percent of oil, and it is important that we know how much we are getting and how much is being left in the cake. The solvent method of extraction is being used with a great deal of success in the case of certain other seeds and nuts, and it may prove valuable in the case of tung oil. I might say that owing to the unique character of tung oil the usual solvent extraction methods are not applicable to the recovery of oil from the tungseeds. So we need to make further investigations in this field.

At the present time research is under way to try to determine how much oil can be recovered from the ordinary presscake that is produced today. The results of recent experiments, using a solvent and a small batch extractor with a capacity of only 30 pounds, showed that about 5 percent of oil could be recovered from ordinary fresh presscake. The oil that was extracted by this solvent method solidified on standing, but it didn't take the chemists long to solve that problem. They solved it by developing a heat treatment which renders the oil permanently liquid. But this, mind you, was in the laboratory and on a very small scale. The pilot plant that is now under construction will have a capacity of between 800 pounds and 1,000 pounds of presscake daily, and this will be sufficient to enable us to determine whether or not the solvent method of extracting oil from presscake will be profitable.

(To be continued)

Naval Stores Freights Rehearing Denied

OPD Washington Bureau
April 9, 1940

The Interstate Commerce Commission denied the petitions of the Evans Motor Freight Line, the Mobile Chamber of Commerce and the Southern Naval Stores Company for a rehearing in the case of suspension of rates of naval stores traveling from Mississippi to various ports on the Gulf of Mexico. The New Orleans Joint Traffic Bureau had asked the commission to suspend the rates to permit the New Orleans and Northeastern Railroad Company to meet the competition of rival roads.

P.V.E. Club Meets April 24

S. S. Gutkin, of Falk & Co., Pittsburgh, will give a talk on "Falkyds" before the Paint and Varnish Exchange Club at its meeting April 24. The meeting will be held in the Brooklyn Engineers Club, 117 Remsen street, Brooklyn, opening at 8 p.m.

Peoples Drug Stores, Inc., Washington, March sales totaled $1,948,538, against $1,859,621 in March last year.

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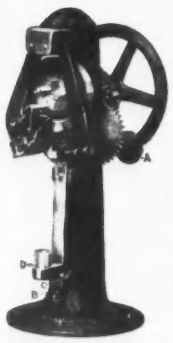
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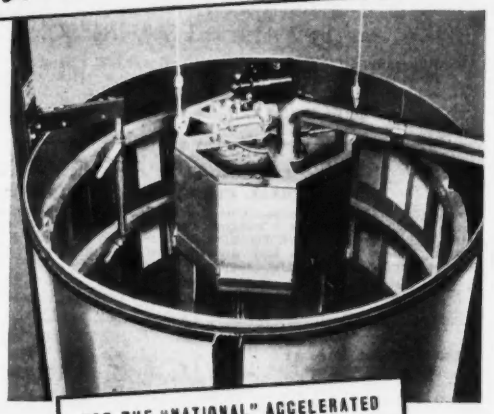
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Cetylpyridinium Chloride Presented as Germicide

Long-continued research by the laboratories of the William S. Merrell Company, Cincinnati, to find a new germicide comparable to mercury, which would be odorless, nonstaining, comparatively inexpensive, and nontoxic and would not contain a heavy metal, has resulted in the discovery that cetylpyridinium chloride meets these specifications. Study of the pharmacology and toxicity of this compound was reported to the division of medicinal chemistry of the American Chemical Society in Cincinnati, April 11, by Dr. Robert S. Shelton, director of research for the Merrell Company. In the work reported Dr. Shelton had been assisted by T. J. Becker, M. R. Warren, and D. G. Marsh.

Cetylpyridinium chloride is characterized by great foaming, detergent, and soaplike properties. In addition it has a neutral reaction, is very soluble in water, odorless, colorless, and has excellent penetrating power. The water solutions are very stable and have a low surface tension. Most remarkable of all is its low toxicity.

While cetylpyridinium chloride has a very high germicidal activity, it is relatively nonpoisonous to body tissues. Extensive experimentation has shown that it can be applied to human skin in a concentration of 1 percent without causing any irritation and can also be safely applied to delicate structures like the eye, for example, in a 1:5000 concentration. Even though 1 percent concentration produces no harmful or irritating effects when applied to the skin, a much weaker solution is still effective in killing bacteria, thus indicating a wide margin of safety.

From animal experiments on toxicity of the compound it appears that it would require more than 1 ounce of the solid material to bring about death in human beings when taken orally. A 1:1000 solution of this germicide could be taken orally in rather large quantities without interfering with the wellbeing of the patient, the report said. Another outstanding feature of this new compound is that it does not interfere with healing or skin granulation. The majority of available germicides interfere with the normal healing process when applied to open wounds and for that reason are not used generally.

These results were advanced to indicate that the new germicide may have wide clinical application. It is now being tried clinically in the treatment of infected wounds and infections of the ear, nose, and throat and for irrigation purposes. It has been found to be very useful as a lavage for lungs, nose, and throat. In surgery it is being used extensively for preoperative as well as post-operative sterilization of the skin. The ease of preparation and activity in great dilution together with its relatively low cost and low toxicity indicate to its discoverers that this new germicide will find wide application.

Colgate - Palmolive - Peet Company, Jersey City, stockholders have ratified the proposal to create a new class of no par preferred stock, limited to 250,000 shares.

Perfumery is believed to be the only product manufactured in Bermuda for export. Two plants are in operation, one of which produces perfumery from a half dozen or more local flowers together with one synthetic, while a smaller plant produces one synthetic scent.

Oils, Fats, and Waxes

Cottonseed Oil and Lard Higher on War News—Copra Scarce and Coconut Oil Firmer — Tallow Stronger on Lack of Offerings—Chinawood Oil Easy—General Tone Better

A rather sharp upturn in cottonseed oil and lard futures was traceable mainly to the war news from Europe, where the spread of hostilities also had the effect of imparting a firmer tone to the general market for oils, fats and greases here. The price trend was upward. Much of the purchasing was still of a conservative character, but an increase was noted in the request for moderate quantities of various products.

Offerings were generally light throughout the week, importers and dealers in some cases temporarily withdrawing from the market pending further developments in political affairs abroad. The growing shortage of cargo space and the upward trend of ocean freight rates also added to the uncertainty concerning future supplies of many products. In the case of cottonseed oil, the opinion was held in some quarters that the advance in prices would have been greater than it was but for the expectation of a bearish monthly cottonseed report from the Census Bureau and the existence of very heavy supplies of lard.

Chinawood Oil

The local market for chinawood oil remained in an easy position last week in the absence of any improvement in demand or any material change in the situation abroad. In the principal selling quarter quotations were maintained at previous levels, but there were reports of offerings of spot oil from other sources at further concessions of ¼c. to ½c. per pound. So far as spot oil was concerned the market remained quiet. There were reports of occasional transactions for future delivery, however, at around 23½c. in tankcars. Importations were reported during the week of 269 tons at New York and 30 drums at Los Angeles.

SAN FRANCISCO, April 10.—Chinawood oil was easier early in the week, business being closed at 23c. per pound in tankcars, f.o.b. Pacific Coast for early shipment. Sellers prefer to wait a few days before accepting further business.

Vegetable Oils

Coconut.—Crude steadier. Sales reported at 3⅛c. per pound, tanks. Copra reported scarce and oil offerings light. Refined oil steady. Trade quiet.

Corn.—Crude steadier with competing product. Offerings continued light. Somewhat better inquiry. Refined in fair demand and steady.

Cottonseed.—Edible oil more active and market steadier, though prices not quotably changed.

Oiticica.—Better inquiry for moderate quantities. Offerings light on spot and for shipment. Tone steady.

Olive.—Denatured oil was advanced 2c. or more by some importers. Offerings lighter. Foots in fair demand and steady.

Peanut.—Crude steadier with competing product. Quotations up ⅛c. to ¼c. in some sections. Offerings light.

Perilla.—Somewhat better inquiry. Spot supplies light and quotations mainly nominal. Reports of offerings of new-crop oil for shipment at 15½c.

Rapeseed.—Fair inquiry for refined oil. Stocks light or moderate. Market firm.

Soybean.—Buying interest stimulated by war news and course of competing oils. Market steadier.

Markets at Other Centers

San Francisco, April 10.—A rather listless vegetable oil market has not as yet had much time to react to the extension of European hostilities and both sides of the market yesterday and today were standing by, waiting for developments.

COCONUT.—Sellers unwilling to quote today. Last quotation heard on basis of of 27⅛c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills.

COPRA.—Activity in copra trading came to a halt with the spread of the European war a day or so ago, and neither side is inclined to support business. Sources are asking for best bids from crushers here on the Coast, while the latter are refusing to move unless there is some indication of prices from suppliers. Last named on basis of 1.65c. per pound, c.i.f. Pacific Coast ports. Market evidently very steady.

OITICICA.—Raw, liquid oiticica oil 17½c. to 18½c. per pound in drums, f.o.b. Pacific Coast ports for shipment from Brazil.

PERILLA.—Offerings on both seed and oil from the Orient are still lacking here, although importers momentarily expect to establish trading basis. May shipments from source deemed likely.

WALNUT.—Crude California oil, 7⅞c. per pound in tankcars, f.o.b. Pacific Coast. Refined, 8⅞c.

SESAME.—Nominal. Seed prices reported too high for domestic mills to work, and foreign offerings apparently not available.

Chicago, April 12.—Vegetable oils fairly active. Tone easy.

COCONUT.—Crude, 2⅞c. to 3c. per pound. Edible, 8½c. to 8¾c. per pound, drums, car lots; 9c. to 9½c., drums, less than car lots.

CORN.—Crude, low acid, 6⅛c. to 6¼c. per pound, nominal. Refined, edible oil, 8¼c. to 8½c., drums, car lots; 8¾c. to 9c., drums, less than car lots.

SOYBEAN.—Crude, 5½c. to 5⅝c. per pound, April-forward.

The market for soybeans on the Chicago Board of Trade was irregular. Futures fairly active. Cash trade slow. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Apr. 12.	Closing Apr. 5.
May	$1.10½	$1.07	$1.07½	$1.08⅜
July	1.07	1.04½	1.05¾	1.05⅞

Linseed Oil

Flaxseed prices irregular. Linseed oil quiet and unchanged for week. Cake and meal steady. Receipts of flaxseed at New York last week 121,480 bushels and a quantity. India shipped 184,000 bushels to Europe.

Flaxseed—DULUTH, April 12.—Flaxseed receipts at Duluth were scanty and buyers were unable to purchase enough during the week to fill sales that are to move eastward from Duluth when navigation opens. Flax on track was quoted at 2.12½ a bushel. Stocks of flaxseed here amount to 33,000 bushels, compared with 14,000 last year.

Price Changes

Advanced

Carnauba wax, No. 3 chalky, 5c. per lb.
No. 3 North Country, 5c. per lb.
No. 1 yellow, 1c. per lb.
No. 2 yellow, 1c. per lb.
refined, 5c. per lb.
Coconut oil, crude, ⅛c. per lb.
Cottonseed oil, crude, ¼c. per lb.
Lard, 25c. to 50c. per 100 lbs.
Lard compound, 25c. per 100 lbs.
Lard oil, No. 2, ½c. per lb.
Lard oil, prime inedible, ¼c. per lb.
Olive oil, denatured, 2c. per gal.
Peanut oil, ⅛c. per lb.
Tallow, ⅛c. per lb.

Reduced

Chinawood oil, ¼c. per lb.
Red oil, ½c. per lb.
Stearic acid, ⅝c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
102.8	**101.6**	**106.6**	**98.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.08½	$2.00½	$1.99
Monday	2.12½	2.00½	1.99
Tuesday	2.15	2.03½	1.98½
Wednesday	2.14	2.03½	1.98½
Thursday	2.14	2.03½	1.99
Friday	2.14	2.03½	1.99

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	3,435	1,218	.....	1,200
Since Aug. 1..	3,986,149	1,587,255	1,835,800	1,577,651

MINNEAPOLIS, April 12.—Somewhat raspy competition between two crushing companies in the cash market for several days rallied premiums sharply, to a top of 15c. over May for choice quality, but today the market was down again.

Receipts picked up slightly toward the close of last week but now are very moderate to light again. Shipping advices are small and the late rise in prices without important increase in country offers would point to rather complete marketing of the crop. Stocks in local elevators decreased 65,000 bushels in four days compared with a decrease of 15,000 bushels in the same period a year ago.

Crushers have considerable flax in reserve but are inclined to use supplies sparingly until another crop is in sight.

Soil conditions in the country are favorable but the weather has been too cold and wet to permit of plowing and planting.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.08½	$1.99½	$1.95½
Monday	2.12½	1.99½	1.95½
Tuesday	2.17	2.02	1.96
Wednesday	2.14	2.01	1.96¼
Thursday	2.14	2.01	1.97½
Friday	2.14	2.01	1.98

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	23,800	4,800	47,000	16,800
Since Sept. 1..	4,072,000	1,603,940	1,913,500	578,100

WINNIPEG, April 12.—The market for flaxseed was more active. Prices were

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irregular. The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.21¼	$2.22¼	$2.22
Monday	2.27	2.28	2.27½
Tuesday	2.36	2.37	2.37½
Wednesday	2.34	2.35	2.35⅜
Thursday	2.37½	2.38½	2.39
Friday	2.33¾	2.34¾	2.36½

BUENOS AIRES, April 12.—Opening prices per bushel on May contracts were:—

	Last week.	Last year.
Saturday	$1.41⅝	$1.14¼
Monday	1.41	1.14¼
Tuesday	1.38½	1.14⅜
Wednesday	1.41	1.12⅜
Thursday	1.43¼	1.12⅜
Friday	1.43¼	1.12⅜

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States	677,000	378,000	465,000
United Kingdom	91,000	173,000	4,000
Continent	591,000	705,000	354,000
Orders	.....	.....	47,000
Others	.....	.....	8,000
Totals	1,359,000	1,256,000	878,000

Since January 1

To—	Bushels This year.	Last year.
United States	6,572,000	6,491,000
United Kingdom	4,821,000	532,000
Continent	7,846,000	9,983,000
Orders	598,000	5,512,000
Others	146,000	1,200,000
Totals	19,983,000	23,718,000

Visible Supply

	Bushels.
Last week	6,693,000
Previous week	5,906,000
Last year	8,268,000

HULL, April 12.—La Plata flaxseed quoted at £16 7/8 per long ton; Bombay, £20½.

Linseed Oil.—Local oil quotations were irregular during the week, in company with the markets for flaxseed. At the close of the period, however, oil prices were generally where they stood at the end of the previous period, and the tone of the market appeared to be rather firm. A fair movement of oil to consumers on unfilled contracts was noted, but new business continued quiet, many consumers and dealers still being disposed to await further developments in the seed situation as well as in political affairs abroad.

Crushers manifested greater interest in cash flaxseed in domestic centers, and competition for supplies was rather keen at times. Receipts continued light. Business in linseed oil in outside markets was apparently limited to small or moderate quantities, transactions in such lots being reported as fair. Production of oil at some points was reported to have been curtailed slightly during the week.

MINNEAPOLIS, April 12.—Oil trade of the past week proved rather quiet but there was a little business doing. Most of the buyers know they will need oil later but are inclined to wait for more definite acreage news before they sign important contracts for future delivery. There seems to be a feeling that a business revival is due in the fairly near future and stocks of oil in second positions are moderate to light.

Shipping instructions are good and the out movement is liberal. Stocks in local tanks are being drawn on to take care of orders as mills are operating at only 70 percent of capacity.

Quotations on carload lots f.o.b. Minneapolis, tankcar lots, 10.4c. per pound; cooperage car lots, 11c. per pound; warehouse lots, 11.4c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	3,300,000	2,760,000
Since Sept. 1	88,540,000	47,067,332

SAN FRANCISCO, April 10.—Linseed oil advanced two points during week. Most buyers still holding off. Deliveries reported excellent on contracts now standing. Quoted: Tankcars, 10.2c. per pound; drum lots, ex mill, 10.8c.; drum lots, ex warehouse, 11.2c.

CHICAGO, April 12.—Linseed oil movement somewhat better. Tankcar, 10.4c. per pound; car lots, 11c.; less than car lots, 11.4c.

LONDON, April 12.—Linseed oil, 42s. 6d. per cwt.

Cake and Meal.—A steady tone prevailed in the local market. Fair movement of meal was noted. Export trade in cake was slow.

MINNEAPOLIS, April 12.—Fairly good demand for linseed meal. Stocks on hand are fairly liberal.

Quotations on carload lots f.o.b. Minneapolis, 100-pound sacks, $30.50 to $31 per ton.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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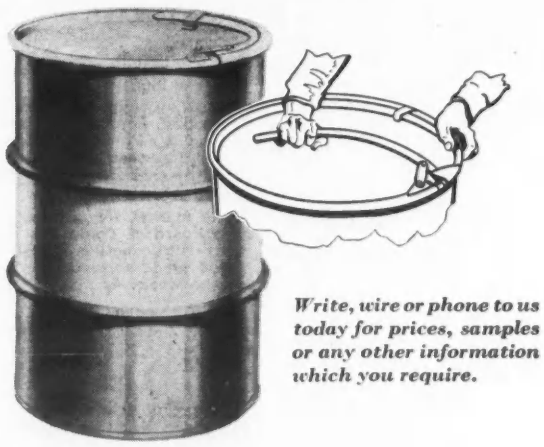

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Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	2,840,000	2,200,000
Since Sept. 1	124,230,000	65,706,650

CHICAGO, April 12.—Inquiry fair for linseed meal. Round lots, $31 per ton, largely nominal; car lots, $31 to $31.50; less than car lots, $33 to $34.

Cottonseed Oil

The local market for refined cottonseed oil futures was more active and stronger. Southern markets for cottonseed products were also firmer.

Cottonseed Oil.—The dominant factor in the market for refined cottonseed oil futures was the war news from Europe and prices advanced. This news more than offset for the time being at least the expectation of a bearish monthly cottonseed report and the existing heavy supplies of lard. Trade interests, commission houses and local operators bought on the spread of hostilities in Europe. Shorts covered, partly on stop orders. Offerings were light much of the time though at around 7 cents for July longs in some cases liquidated.

Southern markets for crude oil were higher with offerings light. Tallow sellers withdrew from the market early in the week and bids at a shade over recent sale prices failed to bring out offerings. Copra was scarce and coconut oil was firmer, some sellers of the latter commodity withdrawing from the market for a time. Corn and peanut oils were firmer. An upturn occurred in lard futures in Chicago where speculation broadened. Lard compound was advanced moderately and some improvement was reported in demand for cash refined cottonseed oil.

Receipts of hogs in the principal Western markets for four days of the week aggregated 259,400 head against 170,000 head in the same time last year. The weight of the hogs received in Chicago during the week ended April 6 averaged 248 pounds for barows and gilts, against 242 pounds in the previous week; sows, 432 pounds. According to the weekly government report, some cotton was planted in Texas in the North Central districts with the soil now in fine condition. Some cotton planted in Arkansas. In most of the cotton belt work was not active but seeding is becoming general in Southern South Carolina.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from April 6 to April 12, inclusive, comprised 684 contracts, a total of 41,040,000 pounds. Following is a price record for the week:—

	High.	Low.	Close.
	—Cents per pound in tanks—		
May	6.96	6.58	6.81@6.83
July	7.04	6.63	6.90 sales
September	7.09	6.70	6.95 sales
October	7.09	6.68	6.95 sales
Crude, Southeast,	.05⅞ nom.		

Chicago, April 12.—Cottonseed oil is moving in increased volume. Refined, edible, 9c. to 9½c. per pound, barrels, car lots; and 9¾c. per 10c., barrels, less than car lots.

Hull, April 12.—Cottonseed oil, refined, 35s. 7½d. per 12 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—A generally steady or firm tone was reported in Southern markets. Meal was more active in some sections.

Markets at Other Centers

Atlanta, April 10.—Prime crude cottonseed oil, 5⅞c. per pound in the Southeast. Cottonseed meal, $30.50 to $31 per ton at Southeastern mills. Planting is in progress in the lower cotton belt in the Southeast, but only slow progress is being made in preparing wet soils of the Piedmont area.

Memphis, April 12.—Supplies of crude cottonseed oil in this section comparatively small. Bids of 5⅞c. for the few scattered tanks available; 6c. asked. Meal offerings light and market firm at $31 per ton for 41 percent. Memphis basis. Demand fair. Bulk slab cake, $28.25 per ton at Valley mills. Hulls, $9 per ton. Inclement weather delaying farm work.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	April 4.	April 11.
May	$28.00@28.85	$29.35@29.50
July	26.70@—	27.70@27.80
September	24.00@24.40	25.15@25.60
October	22.85@23.40	23.90@24.40
December	22.75@23.25	23.80@24.40

Fatty Acids

Caprie Acid.—Tone steady. Prices maintained. Fair contract movement.

Caproic Acid.—Quotations stationary. Demand fairly active.

Castor Oil.—Prevailing tone firm. Fair demand from local and other consumers.

Cottonseed Oil.—Buying interest stimulated by course of basic material. Prices maintained.

Red Oil.—Demand for moderate lots somewhat more active. Prices down ½c.

Stearic Acid.—Steady movement to consumers on contracts. New business fair. Prices ¾c. lower.

Soybean Oil.—Consumption apparently increased recently. Market tone firm.

Chicago, April 12

Fatty acids are moderately active.

RED OIL.—Distilled or saponified, 7½c. to 8½c. per pound; tanks, 7c. per pound.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

OTHER FATTY ACIDS. — Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; 10c. to 10¼c., barrels, less than car lots; coconut oil, acidulated, 10c. to 10¼c. per pound, tankcar, mostly nominal; 10½c. to 10¾c., barrels, car lots; 11c. to 11¼c.; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c. barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c.; boiled down soap stock, 65 percent basis, 4c. to 4½c.; cottonseed foots, 50 percent basis, 1¾c. to 1⅞c.

Fish Oils

Cod.—Offerings from Norway and Newfoundland lacking. Spot stocks reported fair. Trade quiet.

Menhaden.—Refined oil unchanged, but market steadier. Fair demand for moderate lots.

Sardine.—No further changes in refined oil. Tone apparently steadier. Business quiet.

Sperm.—More active and firmer, though prices not quotably changed.

Whale.—Business in refined oil stimulated by war news. Market firm.

Markets at Other Centers

Baltimore, April 10.—Here and there tanks of crude menhaden oil are being held for approximately 34c. per gallon. Fishing off the Florida coast has proved to be very poor and the vessels have been virtually withdrawn. Renned oil quiet and steady.

San Francisco, April 10.—Last reported figure named on crude California sardine oil was 37c. per gallon in tankcars, and, in the absence of any oil on the market, this price is nominal today.

So far as can be learned, nothing has been mentioned yet about trading on the next season's oil. First of all, fish tonnage prices must be gone over with labor factors.

Fats and Greases

Grease.—Better request for spot material. Offerings light. Tone steadier.

CHICAGO, April 12. — Choice white grease, tierces, 4⅜c. to 4½c. per pound; A white, 4¼c. to 4⅜c.; B white, 4¼c.; yellow, 10-16, 4⅛c. to 4¼c.; yellow, 16-20, 4⅛c. to 4¼c.; brown, 4c.

Lard.—Local cash market steadier with futures in the West. Domestic trade reported somewhat better. Export movement light.

CHICAGO, April 12.—Domestic cash lard trade has been quiet. Shipping trade fair. Following is a price record, per 100 pounds, for the week:—

	High.	Low.	Closing— Apr. 12.	Apr. 5.
Cash	$6.17	$5.72	$6.17	$5.72
May	6.20	5.72	6.20	5.77
July	6.42	5.92	6.40	6.00

Stearin.—Tone steadier. Offerings generally light. Fair inquiry.

CHICAGO, April 12.—Prime oleo stearin, barrels, 5¾c. to 6c. per pound; lard, 6c. to 6¼c.

Tallow.—Tone firmer here. Offerings light throughout week. Sales of extra at 4¾c., up ⅛c.

CHICAGO, April 12.—Edible tallow, barrels, 4½c. to 4¾c. per pound; inedible, tierces, prime, 4½c. to 4¾c.; special, 4⅜c. to 4½c.; No. 1, 4¼c. to 4½c.

There was no trading in tallow futures on the New York Produce Exchange from April 6 to April 12, inclusive. Following is a price record for the week:—

	High.	Low.	Close.
	—Cents per pound in tanks—		
May	...	...	4.75 Bid
July	...	...	4.75 Bid

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Vegetable Oils Census Proposal Opposed

—Contiuued from page 3

tions to the penalty provisions of the bill. His argument was upheld by Ralph F. Lozier, of the National Institute of Oil Seed Products.

Thursday's session, which brought the hearings to a close, heard Roscoe C. Edlund, representing the Association of American Soap and Glycerine Producers, declare the monthly statistics would be "inaccurate, misleading and deceptive" because they would reflect the fluctuations of the industries, which quarterly reports do not do.

A. W. Gillian, of the Institute of American Meat Packers, pointed out the difficulties and the expense of collecting the data, and the ultimate higher prices to the consumer.

Jesse R. Smith, of the Linoleum and Felt Base Manufacturers Association, asked that drying oils not be included in the bill, since it was meant to aid the edible oil industry.

The last witness was Herman Fakler, vice president of the Millers National Federation and authorized to speak for the American Feed Manufacturers. He testified the bill was too indefinite in its provisions, and the present quarterly reports were sufficient to meet the needs of the industries.

Animal Oils

Degras.—Market steady. No further price changes. Business fair.

Lard.—Quotations unchanged to ¼c. higher. Purchasing confined to moderate lots.

CHICAGO, April 12.—No. 1 lard oil, 8c. to 8¼c. per pound.

Neatsfoot.—Fair movement of moderate lots. Quotations stationary.

Oleo.—Prices maintained. Tone apparently steadier. Business fairly active.

CHICAGO, April 12.—Prime oleo oil, 7¾c. to 8c. per pound.

Tallow. — Quotations unchanged. Trade routine.

CHICAGO, April 12.—Acidless tallow oil, 8c. to 8¼c. per pound, tanks.

Waxes

Bayberry.—Not overly well stocked but still slightly unsettled. Market, 23c. to 25c. per pound as to seller.

Bees.—Market still slightly unsettled. Some concern felt regarding continuity of shipments of crude arriving here. Cargo space and carriers not too plentiful from some primary markets. Spot quotations about unchanged. Some tendency to shade.

Candelilla.—Most sellers name 18½c. per pound. Offerings in one quarter at 17½c. Generally firm market, spot and source.

Carnauba. — Advance extended. Chalky, ton lots, 57c. to 62c. per pound; No. 3 North Country, 60c. to 64c.; refined, 68c. to 70c.; No. 1 yellow, 76c. to 78c.; No. 2 yellow, 75c. to 77c.; No. 2 North Country, 64c. to 65c. Minimum spot quotations close to present primary market prices. Situation strong. Ready market exists for anything offered, spot or forward.

Japan.—Higher in Japan but unchanged here. Moderate demand.

Glyco Issues New Catalog

A new ninety-six page catalog describing glycol and glyceryl esters, emulsifying agents, special emulsions, synthetic waxes and resins, and a number of specialties has been issued by the Glyco Products Company. Sections of the book are also devoted to suggested formulas and other information for the manufacture of numerous types of products and a variety of useful tables often used in processing and production. A copy of the catalog may be obtained by writing the Glyco Products Company, 148 Lafayette street, New York, mentioning the REPORTER.

Margarin Production Gained in February

Production of margarin in February totaled 29,477,246 pounds. This compared with 29,352,986 pounds in January and 27,700,798 pounds in February last year, according to statistics compiled by the Bureau of Internal Revenue, Washington. A comparison of February production with that of the same month last year follows:—

	February, 1940.	February, 1939.
	—Pounds—	
Production of uncolored oleomargarin	*29,308,517	†27,574,196
Withdrawn tax-paid	28,444,023	27,744,210

Ingredients used in the production of colored and uncolored margarin in February, 1940, compare with February, 1939, as follows:—

In Uncolored Margarin

	February, 1940.	February, 1939.
	—Pounds—	
Babassu oil	769,597	1,164,916
Butter	64	.....
Coconut oil	1,785,788	5,262,180
Corn oil	88,514	61,505
Cottonseed oil	10,187,859	9,397,515
Derivative of glycerin	79,062	77,635
Lecithin	8,045	7,059
Milk	5,723,102	5,395,407
Neutral lard	330,750	110,218
Oleo oil	1,311,582	1,270,172
Oleo stearin	259,362	228,573
Oleo stock	103,092	130,681
Palm kernel oil	.....	43,980
Peanut oil	152,830	193,885
Salt	1,221,719	1,150,819
Soda benzoate	10,323	11,133
Soybean oil	8,611,384	4,365,905
Vegetable gum	583	.....
Vitamin concentrate	1,701	1,724
Total	30,645,357	28,873,366
Production of colored oleomargarin	‡168,729	126,602
Withdrawn tax-paid	29,729	30,230

In Colored Margarin

	February, 1940.	February, 1939.
	—Pounds—	
Babassu oil	.....	2,422
Coconut oil	55,328	32,705
Color	147	132
Corn oil	54	69
Cottonseed oil	12,503	14,430
Cottonseed stearin	360	.....
Derivative of glycerin	640	349
Lecithin	78	6
Milk	38,145	26,988
Neutral lard	2,176	4,379
Oleo oil	25,664	18,752
Oleo stearin	1,475	.....
Oleo stock	2,362	1,400
Palm kernel oil	.....	178
Peanut oil	13	77
Salt	10,008	6,691
Soda benzoate	39	69
Soybean oil	46,098	20,255
Vitamin concentrate	2	2
Total	195,092	138,173

* Of the amount produced, 21,741 pounds were reworked.

† Of the amount produced, 14,747 pounds were reworked.

‡ Of the amount produced, 30 pounds were reworked.

Soap Catalyst Patent Settled

August Edeler and Albert S. Richardson have been awarded priority in an invention concerned with the catalytic action of soap by the United States Court of Customs and Patent Appeals. The court ruled that Edeler and Richardson had put their invention into practical use before Leo C. Brown, who had appealed the case after an adverse decision by the Board of Appeals of the Patent Office. The invention uses soap as a catalyst in the interaction of glycerin and triglycerides, included in a process for development of a substitute for cocoa butter.

Cottonseed Hull Bran Used in Sweeping Compound

A sweeping compound made of cottonseed hull bran impregnated with paraffin oil has been developed by the Cotton Research Foundation of Mellon Institute of Industrial Research, Pittsburgh, as the first new use found in the research program. This use was developed by Dr. R. S. Olcott, research fellow, who says that the value of the bran is enhanced by the attached small linters which aid in the collecting of dust.

The National Cotton Council says that the product is being manufactured under franchises by concerns in Atlanta, Chester, S. C., and Memphis. Plans have been made for its production in other places.

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Micro-evaporation of a vitamin. Photograph taken in the Merck Research Laboratories.

Through institutional advertising in leading medical journals, exhibits at important medical meetings, and by the distribution of factual and up-to-date descriptive literature, Merck & Co. Inc. is constantly bringing the uses and advantages of vitamins to the attention of the medical profession for the benefit of pharmaceutical manufacturers who make dependable vitamin preparations.

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Drugs, Fine Chemicals

German Attack on Norway Jeopardizes Codliver Oil Supplies —Market Nominal Here — USP Synthetic Camphor Up —Quicksilver Shaded Further — Trade Slower

While without immediate effect on this market, except for codliver oil, the invasion of Norway and Denmark, and the German threat to Sweden, created conditions that could be nothing less than disturbing to commerce, that in drugs and fine chemicals included. Many chemical products in that market are used in the production of medicinals and pharmaceuticals sold to both countries in very fair volume. The German invasion removed Norway, Denmark and, probably, Sweden as normal export markets for the United States. In terms of dollars and cents, loss of these markets is of substantial importance to the industries affected.

Demand for drugs and fine chemicals slowed moderately last week. The general price structure was kept intact but there seemed to have been a gain in the elasticity of values, particu larly in the direction of resellers. Producers' schedules were well maintained. Production was reported still to be running to fairly high levels. Shortages noted in the past went unrelieved last week nor was their sign that normal reserves would soon be setup. Basic raw materials were still elements of strength.

Acetone. — Firm. Demand steady. Little competition. Late advance fully maintained.

Acid, Boric. — Resellers reported bracing of demand from smaller users. Shipments from producers reach good total. Market stable.

Acid, Camphoric. — Very scarce in most quarters. Prices high and strong. Raw material price rising.

Acid, Citric. — More seasonable weather forerunner of more active season for consumption being nearer. Prices fully stable.

Acid, Fumaric.—Steady and low in price. Production well up to present consumption.

Acid, Gallic.—NF item very firm. Production cost maintained at high levels. Demand very good.

Acid, Propionic. — Pure synthetic material available at exceptionally low prices. Deliveries in tanks and drums offered.

Acid, Tartaric.—Strong. More active. Free from competition. Prices still tend upward.

Adeps Lanae.—Fairly active market. Little surplus of supplies. Prices very firm.

Agar.—Firmer. Imports feel effect of limited cargo space. Prices firm to firmer. Demand fair on spot.

Alcohol.—Producers report fair activity in industrial grades. Prices apparently firm. Consumer operations well up to expected volume. Nothing further heard regarding proposed tax on blackstrap molasses. Adoption would raise alcohol costs about 8c. per gal.

Aloe.—Still firm but not so active. No weakness in primary markets. Demand routine, moderate in volume.

Aloin.—Inquiries fair in number. Quantities in request moderate. Prices firm but reasonably stable.

Ammonia Benzoate. — Movement maintained in good volume. Consumers show normal interest. Consumption also up to normal.

Amyl Acetate.—Firm and growing in firmness. Prices well maintained. Some upward tendency still noted.

Amyl Salicylate.—Steady to firm. Moderately active at well maintained prices.

Bismuth Metal and Salts.—No signs of pending price activity. Fair interest shown. Volume about normal in major items.

Borax.—Sales of resellers more active. Fair increase in trade totals. Producers report steady and well stabilized market.

Caffeine.—Good demand. Some improvement in deliveries. Gain moderate. Prices very firm.

Camphor.—Prices on USP synthetic advanced 5c. per pound. New schedule follows: Granular or powder, ton lots, 60c. per pound; 1,000 pound lots, 61c.; smaller lots, 62c.; tablets, ton lots, 73c. 1,000 pound lots, 74c.; smaller lots, 75c. Late rise in price on technical item maintained. Natural camphor firm but unchanged.

Price Changes

Advanced

Camphor, domestic, synthetic, USP, 5c. per lb.
Codliver oil, $2 per bbl., nominal.

Reduced

Codliver oil, $18 per bbl., nominal.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
199.3	197.7	198.2	183.1

Market news that may have developed after this report was sent to press will be found on page 4.

Castor Oil.—Firm to strong and still quite active. No surplus stocks held by producers. Production cost maintained.

CHICAGO, April 11.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 13⅝c. per pound; barrels, less than car lots, 14⅜c.; returnable drums, car lots, 13⅜c.; drums, less than car lots, 14⅛c.; tanks, 12⅞c.; No. 3, barrels, car lots, 13⅛c.; barrels, less than car lots, 13⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks, 12⅜c.

Codliver Oil.—Spread of war to Norway and Denmark makes most sellers stop quoting. Sales at $40 per barrel. Nominal price late in week $50. Comes at time when new fishing was underway in Norwegian waters. Future of supplies uncertain. Stocks low on spot. Iceland, Newfoundland, Labrador, and Japan may become sole source of supplies. Newfoundland shipped 132,370 gallons here in 1939. May stimulate greater domestic production. Also force rise in demand for other vitamin bearing fish oils. United States imports about 7,000,000 gallons a year. Imports, 1937, give fairly normal picture of sources of normal supplies.

	Gallons.
Norway	2,857,592
United Kingdom	1,432,025
Iceland	1,037,410
Japan	212,029
Germany	131,085
Newfoundland and Labrador	89,480
Canada	72,310
France	55,481
Denmark	27,792
Miquelon and St. Pierre	700

BERGEN, Nor., Mar. 11.—During past week, 11 million kilos cod were caught in Lofoten and 5,211 hectolitres crude oil were produced. The corresponding figures, 1939, 15.1 million kilos fish, and 7,006 hectolitres oil. Total catch and production, all districts in last five years are:—

	Cod, kilos.	Crude oil, *hecto-litres.
1940—to March 9	69,200,000	35,225
1939—to March 11	80,110,000	38,244
1938—to March 12	44,700,000	19,364
1937—to March 15	57,800,000	31,067
1936—to March 14	43,000,000	22,104

* To convert into barrels, multiply by 0.88.

Corrosive Sublimate.—Still firm despite recent raw material weakness.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

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Cream of Tartar.—Good call and satisfactory outlook as to demand. Undertones strong based on present high production cost.

Ephedrine. — Market steady. Demand reduced to seasonal limits. No signs of price unsettlement.

Epsom Salt.—Good movement gaining moderately. Quotations well stabilized.

Ether.—Industrial consumers steady takers at full prices. Undertones very firm. Quotations well maintained.

Formaldehyde.—Lower prices turn steady in stable market. Period of good demand developing along normal lines.

Glycerin.—Fair activity at firm, well stabilized prices. Situation generally satisfactory. Denmark removed as possible source of crude material. Never a large shipper to this market. Stocks here proving adequate.

CHICAGO, April 11.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Hexamine.—Still unchanged and not likely to be altered in price. Market very steady. Demand normally active.

Iron Acetate. — Inquiry improved moderately. Market generally steady to firm. Offerings normal in size.

Iron Chloride. — U.S.P. movement moderate, but close to normal. Quotations well stabilized.

Iron Reduced.—Very firm in price. Undertones strengthening. Demand quite satisfactory. No surplus offerings.

Menthol.—Slow demand. Offerings ample for current requirements of buyers. Competition active.

Menthyl Salicylate.—Demand should improve because of seasonal influences. Stocks ample to cope with higher demand.

Methanol. — No further developments. Producers of natural item still split on price basis. Some quote by zones. Others sell east or west of the Rocky Mountains. Synthetic item stable at recent decline.

Methyl Acetone.—Selling by zones or east and west of the Rocky Mountains, differing according to producer. Market steady.

Methylethyl Ketone. — Firm and moderately active at full prices. Little competition between suppliers.

Paraformaldehyde. — Prices did not decline when reduction came in formaldehyde and methanol. Full stabilization maintained.

Phenolphthalein. — Normal movement at stable prices. Little beyond usual conditions noted. Volume very good.

Podophyllin.—Firm. Raw material shows no weakness. Supporting demand stimulating influence on prices.

Potash Bicarbonate.—Little offered. Market almost bare of stocks. At least no quotations offered.

Quicksilver.—Domestic metal down to $172 to $175 per flask. Strengthening came on Pacific Coast toward end of period. Little call on spot. Italian fiscal tax of 2,000 lire per flask and 50 lire on every kilo of metal contained in ores extracted by mines and mining establishments officially confirmed.

SAN FRANCISCO, April 10.—Quicksilver in steady decline during earlier part of last week. Market froze tight when European war reached the Scandinavian countries. Buyers and sellers reluctant to declare position. Bids developed this morning. In San Francisco, metal available today at $172. Sales early in the week reported $170 to $171.

Quinine.—Demand normally active. Situation firm. Foreign conditions hold potentials, making price advance not

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unlikely. Spread of war to Netherlands not impossible. Situation holds all sorts of possibilities. Bolivian government quinine factory consumed 15 percent country's cinchona output in 1939. Balance exported to Netherlands, mainly.

Resorcinol.—Complete price stability noted. Demand not exceptional, but along normal lines.

Rochelle Salt.—Good demand. Strong prices. No competition. Moderate stocks. High cost of production continues.

Santonin.—Demand slow in broadening. Expected to come shortly. Prices high at beginning of season.

Seidlitz Mixture.—No forecast of more favorable conditions. Raw material high cost to continue. Demand normally active.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce	Bullion	
	Nitrate.	New York.	London.
	Cents.	Cents.	Pence.
Saturday	26⅞	34¾	20⅛
Monday	26⅞	34¾	20⅛
Tuesday	26⅞	34¾	20⅛
Wednesday	26⅞	34¾	20⅛
Thursday	26⅞	34¾	20⅛
Friday	26⅞	34¾	20⅛

Food Research, Inc., Moves

Food Research Laboratories, Inc., has removed its laboratories to a newly-constructed building at 48-14 Thirty-third street, Long Island City, N. Y. This is the second major expansion made by the company since its inception in 1922. Dr. Philip B. Hawk is president and Dr. Bernard L. Oser, vice-president and director of the laboratories.

M. R. Shlensky has been elected secretary of the Katz Drug Company, Kansas City.

N.Y. Druggists Oppose Jobbers' Short Week

—Continued from page 5

the National Association of Retail Druggists here in September were outlined by Robert R. Gerstner. The status of fair trade contractual methods was reviewed by Nicholas S. Geosalde. Establishment by manufacturers of photo-finishing agencies in groceries was condemned. Plans were set on foot to get a reduction in charges made for electricity furnished to drug stores.

A program was discussed and preparatorily arranged for a revision of the setup of the organization and the better correlation of the functioning of its affiliated associations.

Officers were elected as follows:—President, Joseph J. Goldberg (re-elected); vice-presidents, M. H. Sasmore (re-elected), L. G. Gitlin (re-elected), and Boris Prial; secretary, Dr. Hugo H. Schaefer (re-elected); treasurer, F. C. A. Schaefer; members of the board of directors, Robert R. Gerstner, chairman; Nicholas S. Geosalde, Frank L. Grennie, Benjamin Rosenthal, and Meyer Shapiro.

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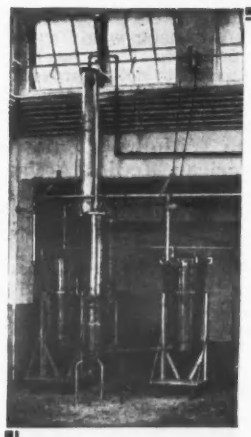

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PROPYL PARA-AMINOBENZOATE
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BROMSTYROL
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METHYL CINNAMATE
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Drug Dosage Exemption May Bring Misuse Suits

—Continued from page 5

sell their product over the counter, or to put adequate directions on the label anyway. They are not so much concerned over the use of the prescription legend on official products as they are over its growing use on proprietaries which at the same time are advertised to the lay public.

Attention is called to the second part of the regulation exempting prescription drugs, which includes the language:—

. . . and all representations or suggestions contained in the labeling thereof with respect to conditions for which such drug is to be used appear only in such medical terms as are not likely to be understood by the ordinary individual, and if such shipment or delivery is made for use exclusively by, or on the prescription of physicians; but such exemption shall expire when such shipment or delivery, or any part thereof, is offered or sold or otherwise disposed of for any use other than by or on the prescription of a physician.

Exemption Is Conditional

Questions as to "proper" and "improper" use of the prescription legend by manufacturers are answered by F.D.A. officials with the statement that this depends entirely on the nature of the product and its method of distribution. If the product is such that it is suitable only for prescription use, and if the manufacturer wants to confine its distribution to such use, and if he takes pains to see that the distribution is so confined, it may properly be exempted from carrying directions for use provided it bears the prescription legend. If not, then directions for use should be placed on the label for the benefit of persons who may buy over the counter.

This question is not directly connected with the "dangerous drug" provision in section 502(j). This section makes a drug misbranded if dangerous to health in the dosage suggested on the label. A number of drugs have been officially listed as too dangerous to be sold without prescriptions regardless of the dosages recommended, and these, of course, should be distributed only under the prescription legend. But beyond this limited list are many drugs which may or may not be dangerous depending on their labeling. If a manufacturer of such a product does not know how to write directions which will keep his product from being classed as dangerous he may, in the view of F.D.A. officials, resort to the prescription legend and leave this decision up to the physician—provided he takes adequate steps to make it certain that no retailer will place him in the position of violating the law by selling this product without a prescription.

Drug Law Administration Is Ordered Transferred

—Continued from page 5

Federal Security Agency the Food and Drug Administration, with the exception of two activities intimately related to the work of the Department of Agriculture. The work of the Food and Drug Administration is unrelated to the basic functions of the Department of Agriculture. There was, however, no other agency to which these functions more appropriately belonged until the Federal Security Agency was created last year. I now believe that the opportunity for the Food and Drug Administration to develop along increasingly constructive lines lies in this new agency. There is also need for coordination of certain of its functions with those of the Public Health Service. To accomplish these objectives, the plan establishes the administration as a separate unit within the Federal Security Agency.

The text of the section of the order relating to the Food and Drug Administration reads as follows:—

Section 12. Transfer of the Food and Drug Administration — The Food and Drug Administration in the Department of Agriculture and its functions, except those functions relating to the administration of the insecticide act of 1910 and the naval stores act, are transferred to the Federal Security Agency and shall be administered under the direction and supervision of the Federal Security Administrator. The chief of the Food and Drug Administration shall hereafter be known as the Commissioner of Food and Drugs.

W.G.Campbell's Views

"The work of the Food and Drug Administration can be carried on efficiently as a unit of any agency of the Federal government so long as there is an intelligent and sympathetic attitude in the supervisory head," Walter G. Campbell, F.D.A. chief, said today in commenting on the proposed transfer of the administration to the Federal Security Agency.

Mr. Campbell declined other comment except to say that he was impressed with the number of inquiries received so far expressing the hope that the transfer will not disrupt the work of food and drug law enforcement. There is no reason to suppose that there will be any disruption, in his opinion, because the Food and Drug Administration has always operated as a unit and its personnel is entirely civil service.

Mr. Campbell pointed out that the order retains the Food and Drug Administration as a unit and that the president's suggestions for coordination with the public health service contemplates collaboration on research work to give the Food and Drug Administration the benefit of all possible medical and scientific knowledge on such matters as new and dangerous drugs. Such collaboration has prevailed in the past, and the Food and Drug Administration need not suffer by severance from research activities of the department of agriculture because it will continue to get the cooperation of all branches of the government. No consolidation of laboratory work is anticipated because the Food and Drug Administration is concerned with analysis while Public Health Service deals with basic research. Both will continue as independent units but under a single directive head, and there is no reason to believe that the efficiency of either will be impaired by more intimate relations between the two.

F.D.A. officials are already at work on plans to separate naval stores and insecticide functions. While not mentioned in the order, it is assumed that the portion of the staff of the solicitor's office which has been assigned to food and drug work will also be transferred and will become an integral part of the reformed Food and Drug Administration. These atorneys have been paid out of the F.D.A. appropriations through a transfer of funds within the Department of Agriculture.

Some food interests appear to be concerned lest transfer from the Department of Agriculture will make the Food and Drug Administration less sympathetic to the interests of farmers and food processors, but as yet there is no move on their part to seek congressional action to block the transfer. However, aeronautics interests are protesting transfer of the Civil Aeronautics Authority to the Department of Commerce, and a fight looms in Congress on this ground. The entire reorganization order must stand or fall as a unit, and if the C.A.A. transfer is blocked by Congress, the F.D.A. transfer would automatically be nullified. Congress has sixty days in which to act to prevent the order's taking effect.

Hiresta, Inc., Withdraws Suits Against American Medical Ass'n

Hiresta Laboratories, Inc., manufacturer and distributor of facial creams, New York, has withdrawn its $1,000,000 libel suit and conspiracy against the American Medical Association and six individuals in the Federal District Court here. The suits alleged that an article in the journal of the American Medical Association had hindered the sale of the company's products. Attorneys stated that no outside settlement had been made.

Reed Drug Company, Baltimore, March sales totaled $202,766 compared with $191,205 in March last year.

Botanical Drugs, Spices, and Gums

Benzoin and Myrrh Lower—Althea Root Down—Ergot Declines in Easier Market—Danish Yellow Mustard Withdrawn From Market — Lavender Flowers Shaded

Demand for botanical drugs was small last week. Trade was subnormal for the season, notwithstanding the fact that at this time of the year demand slackens substantially, a slackening that is the forerunner of the usually small sales volume during the Summer months. Buyers were not numerous and quantities taken were almost uniformly small.

One change in the general aspect of the market was the development of some price unsettlement. Quotations seemed softer and a tendency shade seemed wider and broader than it had been for a considerable number of weeks. Bids stood more than a fair chance of being adopted. In practically all respects, conditions moved definitely in the favor of buyers for consumption.

The European developments were such as to keep concern for the future of events prominent in the thoughts of buyer and seller alike. When Germany seized Denmark and invaded Norway, the Italian press expressed opinions appreciative of German prowess. The future of botanical drug market developments in no small measure is tied in closely with what Italy may do when it becomes necessary for her to cast her lot with Germany or the Allies. If she throws in with Germany, domestic botanical dealers will find it almost impossible to get botanical drug merchandise out of Europe.

Balsams

Peru.—Fair and steady demand. Prices well maintained.

Tolu.—More inquiry and a gain in sales strengthens prices. Stocks conservative.

Barks

Angostura.—Business quiet. Prices steady. Competition limited.

Cascara Sagrada.—Peeling probably underway. Carryover conservative. Prospect for a large crop not encouraging.

Cinchona.—Business strictly jobbing. Prices fully firm.

Soap.—Still competition. Business below normal. Stocks of all kinds plentiful, barring German cut bark.

Beans

St. Ignatius.—Demand jobbing and small at best. Prices steady.

Vanilla.—Strong market. Demand good but not expanding. Prices very firm in all markets. Practically no competition. Stocks short.

Berries

Cubeb.—Steady market. Consumer demand fair to light. Call generally irregular and variable. Prices holding steady.

Fish.—Fair sales in jobbing lots. Demand hand-to-mouth. Prices stabilized.

Flowers

Arnica.—Slightly unsettled. Some reports of price shading when orders were in sight. No open change.

Chamomile.—Spring demand slow in expanding. Prices apparently steady.

Lavender.—Another price decline brings market to:—Ordinary, 35c. to 37c. per pound; medium, 40c. to 42c.; select, 45c. to 47c.

Linden.—Very small and irregular call. Prices none too steady.

Gums

Arabic.—Still inclined to be soft. No further change in open quotations. A buyers' market in most respects.

Benzoin. — Prices decline again. Market on Sumatra gum, 17½c. to 18c. per pound. Bids have good chance of being accepted.

Camphor. — Prices on U.S.P. domestic synthetic advanced 5c. per pound. New quantities are:—Granular or powder, ton lots, 60c. per pound; 1,000-pound lots, 61c.; smaller lots, 62c.; tablets, ton lots, 73c.; 1,000-pound lots, 74c.; smaller lots, 75c. Caused by rising cost of production.

Myrrh. — Competition expands. Prices decline to 46c. to 47c. per pound. Demand remains light.

Herbs and Leaves

Buchu.—New crop was sharply below normal. Spot trade light. Prices steady.

Henbane. — Prices firm. No stock

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	1,915
Belladonna	57	285
Caraway	...	9,730
Cardamom (cases)	...	585
Celery	...	2,676
Coriander	500	3,843
Cumin	799	2,549
Digitalis leaves (cases)	1	1
Dill	...	74
Fennel	290	803
Henbane leaves (bales)	185	219
Mustard	2,800	5,514
Poppy	100	7,748
Sage leaves (bales)	...	574
Sesame	1,043	4,868
Stramonium	117	334
Thyme	...	893

Price Changes

Advanced

Caraway seed, ½c. per lb.
Chillies, Mombassa, 2c. per lb.
Mustard seed, Danish yellow, 1c. per lb.
Roumanian yellow, ¾c. per lb.
Mustard seed, Danish yellow, 1c. per lb.
Poppy seed, Dutch, ¾c. per lb.
Pimento, 1c. per lb.

Reduced

Althea root, cut, 4c. per lb.
Benzoin gum, Sumatra, ½c. per lb.
Cumin seed, Morocco, ½c. per lb.
Cyprus, ½c. per lb.
Ergot, 5c. per lb.
Fennel seed, Roumanian, ¼c. per lb.
Ginger root, Jamaica, bright grinding, ¼c. per lb.
Lavender flowers, select, 3c. per lb.
medium, 2c. per lb.
ordinary, 2c. per lb.
Myrrh gum, 4c. per lb.
Millet seed, yellow, domestic, ¼c. per lb.
early fortune, ½c. per lb.
Nutmegs, West Indian, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
195.7	196.1	195.5	119.4

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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Tested CHEMICALLY
For prompt or future shipment from our New York City Warehouses and Mills
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Acacia Gum (Arabic)
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Digitalis
Ergot
Euphorbia
Fennel Seed
Gentian Root
Ipecac Root
Irish Moss
Juniper Berries

Kola Nuts
Lavender Flowers
Lupulin
Myrrh Gum
Nux Vomica
Orange Peel
Orris Root
Papain
Peppermint Leaves
Quince Seed
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CUMIN SEED
FOENUGREEK SEED
MARJORAM LEAVES, French
PARSLEY SEED
SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES, French
AMINOPHYLLIN
ASPIRIN, QUININE AND OTHER TABLETS
BARBITAL
CAFFEINE
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
ICHTHAMMOL
LANOLIN ANHYDROUS
MENTHOL
Japanese and Chinese
MILK SUGAR U.S.P.
PETROLATUM U.S.P.
STRYCHNINE
NORWEGIAN COD LIVER OIL, Medicinal and Poultry
ORANGE OIL, Sweet
PEPPERMINT OIL U.S.P.
SAVIN OIL
AGAR AGAR JAPANESE
Shreds, Cut and Powder
ALOES, Curacao and Cape
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
CORIANDER OIL, U. S. P.
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR JAPANESE
Powder, Slabs and Tablets
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
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Hand Picked and Prime
LINDEN FLOWERS
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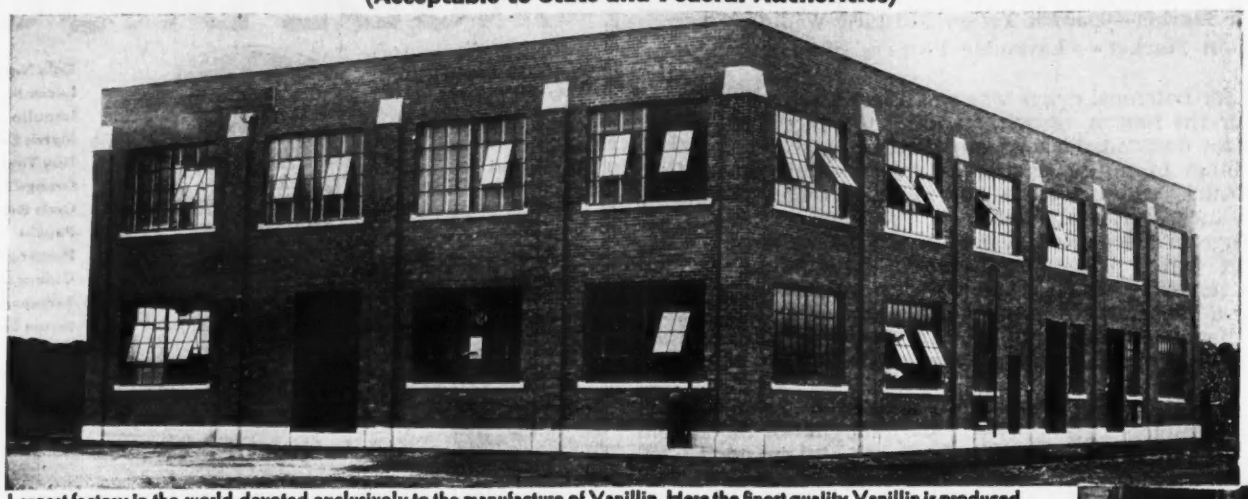

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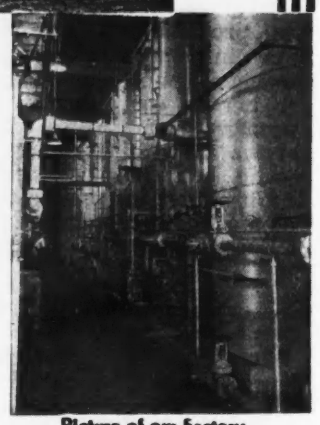

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accumulation. Most imports denied entry.

Stramonium.—Fair sized jobbing demand holds prices steady.

Uva Ursi.—Outlook for fair production new crop. Spot quotations steady. Demand light.

Miscellaneous

Cantharides. — No further change in Chinese fly prices. Russian item steady. Demand conservative.

Ergot. — Spot quotations ease to $3.75 to $3.80 per pound. Import cost more favorable of late. Shipment offerings not snapped up promptly.

Lycopodium.—Still steady in price. Demand poor. Stocks small.

Manna. — Strong. Price tendency still upward. Not much demand. Strength stems from situation in Italy.

Roots

Althea.—Cut root down to 41c. to 42c. per pound. Sales slow.

Gentian.—Steadier. Less tendency to shade prices. Demand smaller.

Goldenseal. — Firm market, considering current light demand.

Ipecac.—High quality root high at source and hard to get. Nicaragua root firm.

Jalap.—Only small lots at source. Price strong and high. Spot market totally uncompetitive.

Rhubarb. — Advance maintained. Lack of much demand fails to ease price situation.

Senega.—Firm at late advance. In fair request.

Seeds

Caraway.—Higher at 13c. to 13½c. per pound.

Cumin. — Prices lower. Morocco, 16c. to 16½c. per pound; Cyprus, 15½c. to 16c.

Fennel.—Roumanian shaded to 11¾c. to 12¼c. per pound. Other kinds unchanged.

Millet. — Better demand at lower prices. Domestic yellow, 2¾c. to 3¼c. per pound; early fortune, 2½c. to 3c.

Mustard. — Holders Danish yellow seed withdraw from market. Price strictly nominal at 13c. Due to German seizure of Denmark. Roumanian yellow up to 10c. to 10½c. per pound.

Poppy.—Dutch seed higher at 13c. to 13½c. per pound.

Spices

Ginger. — Jamaica bright grinding shaded to 8¾c. to 9¼c. per pound.

Nutmegs. — West Indian lower at 9¾c. to 10¼c. per pound.

Pepper.—Mombassa chillies higher at 27c. to 28c. per pound. Black and white peppers hold steady.

Trading in black pepper futures on the New York Produce Exchange from April 6 to April 12, inclusive, comprised 83 contracts, a total of 2,788,800 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.10	4.10	4.09@4.14
February	4.14	4.09	4.14 nom.
March	4.22	4.09	4.17 sale
May	3.87	3.79	3.77@3.79
July	3.92	3.85	3.85 sales
September	4.04	3.91	3.90@3.98
October	4.10	3.94	3.96@4.00
November	3.96	3.96	3.97@4.05
December	4.18	4.08	4.07@4.08

Pimento.—More demand sends price up to 19c. to 20c. per pound. Jamaica very firm.

Mustard Mixture Is Imitation

A mixture of mustard, mustard bran, and artificial mustard oil or cayenne pepper must be labeled "imitation prepared mustard," the Food and Drug Administration has advised manufacturers under the Federal food, drug, and cosmetic law.

Walgreen Company, Chicago, March sales amounted to $6,391,787, compared with $6,000,583 in March last year.

Spice Trade Ass'n to Meet In This City May 6-8

The American Spice Trade Association will hold its thirty-fourth annual convention in the Astor hotel, this city, May 6-8. The business meetings of the grinders', brokers' and dealers' sections will be held May 7, and a forum of the membership will consider the subjects discussed at the various section meetings. The meeting will convene May 6 on the floor of the New York Produce Exchange. at 10:15 a.m., to witness the opening of the pepper market at 10:30 a.m.

The entertainment side of the convention includes a tug trip around N. Y. harbor, leaving Battery Place at 11:15 Monday, stopping at Staten Island for lunch and returning to Manhattan at 4 p.m. A bowling match will be held at the New York Athletic Club Tuesday evening, preceded by a "get-together" dinner. The "spice for flavor" banquet will be held Wednesday evening, followed by dancing.

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Essential Oils. Aromatic Chemicals

Italian Lemon Higher But Plentiful Stocks of California Oil Make Consumers Independent of Foreign Situation —Wormseed Up—Peppermint Shaded

The flareup of war in Europe, the broadening of the sphere of activities, and the intensity of operations did little to weaken the market for essential oils and aromatic chemicals last week. Although demand remained moderate in volume and confined mainly to small but usually pressing requirements, the fundamental position of all imported merchandise reflected the spread of the war by remaining very firm in price regardless of the total movement into consumption.

Conditions were such as to suggest that replacement costs might be forced higher by a general rise in ocean freight rates. Scandinavian nations own about 4,000 cargo carriers and if eliminated as transporters of merchandise, the scarcity of ships would probably find prompt reflection in higher rates.

Changes in spot quotations were few last week. Italian lemon was higher, but since plentiful supplies of California oil are available at favorable prices, the basic situation of consumers changed little. Wormseed also brought more money. Bay, mace, nutmeg, and peppermint were somewhat lower in price but the declines were conservative. The balance of market materials held steady.

Price Changes

Advanced

Lemon, Italian, 10c. per lb.
Wormseed, 5c. per lb.

Reduced

Bay, 10c. per lb.
Mace, 10c. per lb.
Nutmeg, 10c. per lb.
Peppermint, natural, 5c. per lb.
redistilled, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
103.3	103.0	97.3	69.1

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Natural oil firm. Artificial steady on better inquiry. Sweet, expressed, still unsettled and tending down.

Amber.—Firm. Undertone indicate developing strength. Demand moderate.

Angelica.—Current stocks difficult to replace. Future production highly uncertain. Limited spot demand. Stocks light.

Anise. — Steady. Demand mainly for prompt requirements. Considerable local competition. Open quotations lack change.

Bay.—Prices lower. Market:—50-55 percent phenols, $1.10 to $1.15 per pound; 55-60 percent phenols, $1.20 to $1.25. Demand light.

Bergamot.—Crop was small. Subnormal stocks subject to close and strict control through Italian cartel. Spot prices strong.

Birchtar.—More inquiry and some gain in sales. Improvement moderate at best. Undertones and prices very steady.

Bois De Rose.—Movement into consumption moderate. Prices hold firm, spot and in primary market. Stocks here fair in size.

Cajeput. — Hand-to-mouth demand builds fair volume. Sufficient trading to keep quotations steady. Competition inconscipuous.

Calamus.—Little demand. Firm to strong prices due to small stocks poorly distributed locally.

Cananga.—Market slow. Jobbing requirements provide main request. Prices steady based on moderate stocks unsold locally.

Capsicum (Oleoresin).—Raw material lower recently. Considerable selling of spot goods at steady prices. No signs of early change.

Caraway.—Future uncertain. European situation not encouraging. Tendency locally toward firmer price position. Consumption moderate.

Cassia.—Firm and free from signs of unsettlement. Demand moderate and gaining conservatively. Prices steady.

Cedarleaf.—No further price drop. Undertones steadier. Demand gains moderately. Call for pressing and immediate needs.

Cedarwood.—Signs of gaining activity noted. Seasonal expansion in trade due. Quotations steady to firm. Little competition.

Cinnamon.—Routine trading. All prices firm. Replacement situation strengthens market. Stocks not exceptional on spot.

Citronella. — Routine activity the rule. Market quiet with prices moderately easy on spot. Steady at primary market points.

Clove. — Resale competition reported. Prices subject to shading. Producers hold fairly steady values. Demand very good with firsthands.

Croton.—Irregular demand for jobbing parcels. Prices steady. Fair sized local stocks in reserve.

Cubeb. — Jobbing trade remains fair. Firm prices reflect well maintained cost of raw material.

Cypress. — Demand very light. Stricty jobbing call produces low trade volume. Firm replacement cost keeps spot quotations steady.

Dill.—Demand gaining. Prices firm as stocks show contraction. Upward trend expected to continue.

Eucalyptus.—Active along seasonal lines and very firm as to price. Virtually no spot competition. Stocks conservative.

Geranium.—Movement maintained fairly well. Mainly to cover small but pressing needs. Quotations fully steady.

Grapefruit.—Stocks seem ample. Demand supplied promptly at low, attractive prices. Market favorable for buyers.

Ginger.—No further decline. In fact, quotations gain firmness. Demand fair but not expensive. Raw material cost steadier.

Guaiac.—Concrete moving in routine quantities. Prices steady.

Hemlock.—Fairly steady but not under such buying pressure. Stocks not excessive at any point.

Juniper.—Firm undertones create steady prices. Competition restrained. Demand fairly active within moderate limits.

Lavender.—Firmer and firming constantly. No price shading. Moderate but very steady consuming demand.

Lemon.—Messina oil up to $3.85 to $4.50 per pound. Strong market in Italy. Plentiful supplies of California oil supplying every domestic need arising at favorable prices.

Mace.—Market easier and lower. Price $1.80 to $1.85 per pound as competition gains. Fair demand.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Nutmeg.—Lower prices at $1.80 to $1.85 find fair demand being filled under competitive conditions.

Peppermint.—Spot values yield. Natural shaded to $2.70 to $2.95 per pound; redistilled, $2.95 to $3.20. The result of local competition. Little change in primary market. Routine demand.

Wormseed.—Higher at $4.30 to $4.40 per pound. Strongly held in all markets. Very good demand finds stocks in strong hands.

Aromatic Chemicals

Methyl Anthranilate.—Market somewhat slow. Jobbing trade reveals small consuming request. Prices steady to firm.

Methyl Benzoate.—Demand slightly irregular but fair in total volume. Quotations steady.

Methyl Cinnamate.—Routine trading. Undertones steady. Competition restricted. Prices about firm.

Methyl Heptenone.—Buying usually

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hand-to-mouth. Little coverage of more distant needs. Quotations steady. Stocks sufficient.

Methylheptine Carbonate.—Very firm. Stocks none too ample. Modest trading interest.

Methylhexyl Ketone.—Steady to firm. Demand about normal and likely to hold up. Stocks in good reserve.

Methylnaphthyl Ketone.—Firm. In fair supply without stocks being excessive. Demand routine but about normal.

Methyl Phenylacetate.—Interest shown conservative in size. Prompt needs build most of current moderate volume. Market steady.

Musk.—Competition fairly active. Conditions less unsettled than at times in recent past. Quotations maintained with less trouble.

Novoviol.—Entire group firm. Demand steady but not spectacular. Quotations display substantial stability.

Paracresyl Acetate.—More inquiry. Sales up conservatively. Demand aids in firm price maintainence.

Pelargol.—Plentiful offerings supply steady but routine demand. Quotations stable.

Phenyl Acetaldehyde.—Undertones steady to firm. Buyers trading fairly well ahead of needs. Quotations well maintained.

Phenylacetic Acid.—Demand slows down. Present volume built of jobbing needs. No easing of price structure.

Phenylethyl Acetate.—Market quiet. Trading routine but in reduced volume. Quotations moderately firm.

Phenylethyl Alcohol.—Firm. Showing signs of improved request. Undertones steady to firm. Prices not subject to shading.

Phenylethyl Butyrate.—Trade moderate but very steady. Fair stocks encourage practice of buying small lots frequently.

Phenylethylphenyl Acetate.—Interest confined to small lots. Fair amount of such transactions. Quotations lack change.

Phenylethyl Propionate.—Business in jobbing variety keeps quotations steady. Undertones about firm.

Phenylethyl Valerinate.—Little interest shown. Sellers still hold firm price views. Absence of much competition aids values.

Phenylpropyl Alcohol.—Moving well but not expansively. Quotations steady and stable.

Phenyl Propyl Aldehyde.—Demand shrinking to strictly hand-to-mouth proportion. Quotations remain firm and unaffected. Stocks conservative.

Reseda Geraniol.—This specialty firm and in fair demand. Movement stabilized and very steady. Prices firm.

Rhodinol.—Steady. Demand normal and volume satisfactory. Prices well maintained.

Rose Crystals.—Moving steadily at stabilized and attractive prices.

Scatol.—Demand limited to small lots. Values steady to firm.

Strolyl Acetate.—Stabilized demand and prices the feature. Stocks in good reserve.

Terpineol.—Firm undertones govern well maintained prices. Demand routine.

Terpinyl Acetate.—Buyers trade close to actual needs. Undertones showing firmer market trend.

Thymol.—Firm and growing firmer. Demand very good with future outlook encouraging and satisfactory.

Vanillin.—Plentiful supplies available at low prices. Demand steady. High cost of vanilla beans develops new users of the synthetic equivalent.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Detailed information gladly supplied

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39 West 32nd. Street, New York, N. Y.

Technology Data Given to TNEC

—Continued from page 5

improved working facilities, "has steadily employed more men, paid out more in wages, and purchased more materials." Mr. Ford said that technological change calls for the continual investment of new capital. Although these changes may immediate to displace some workers, these and many other laborers are hired under the new developments. The eventual effect of technologic change, he declared, has been and will be to increase the volume of production, the number of men employed, and the volume of wages paid; in the automotive industry technology has increased occupational skill and improved the economic status of employees.

Discussing the effect of patent rights, Mr. Ford said that, when these are used as they are by his company, they help to advance development; but when they are held by those who make no effort to put them to good use, they may retard development.

Mr. Ford declared that his company does not believe new legislation is "necessary or helpful" in various plans for spreading work, annual income payments, wage and hour adjustments, and the like.

The need for new labor-creating industries, for new products to reduce unemployment, was stressed by Charles F. Kettering, vice-president in charge of sales of the General Motors Corporation. He presented three fields as having vast possibilities of expansion for American industry, saying that diesel power, air conditioning, and modernization of housing technic could accomplish for this country what the automobile did in its expanding days.

Highway development and improvement in transportation were also referred to by Mr. Kettering as potential fields for further advancement. He said that automotive power offered a big opportunity because the best engines today utilize only 5 percent of the power of their fuel. It was his belief that the advancement in this field in the next ten years would be greater than that in the past decade, and he felt that this would be true also of contributing industries, such as petroleum, rubber, steel, fabrics, and chemicals.

Defining industrial research as "mass production of ideas . . . teamplay in an immense effort to readjust our economic system so as to put to work our excess of men, money, and materials," Mr. Kettering declared that the future held opportunities for work and for profit and for general benefits that could advantageously be shared by all.

Potentialities of Research

A future of unlimited possibilities through research and invention was pictured by Watson Davis, director of Science Service. He listed eight fields in which scientific developments should be particularly fruitful—photosynthesis, atomic power, long-range weather forecasting, synthetic materials, chemicotherapy, genetics, human relations, and mobilization of scientific knowledge.

Mr. Davis predicted important developments in the chemical utilization of coal and petroleum and stressed the advancements made in the past few years in recognition of the chemical potentialities of petroleum. He also presented the progress of recent years in the development of sulphanilamide, sulphapyridin, and other chemical agents in the treatment of disease, and reviewed the chemical progress with respect to vitamins and hormones.

R. J. Thomas, CIO vice-president and president of the United Automobile Workers, charged that unemployment and depression were caused by monopolization of the benefits of technological advance. The failure of production and employment to expand is the result of lack of adequate purchasing power, he said, and declaring that advances of improved technology go to employers exclusively, he concluded that "only when union organization is strong may workers secure any share of the benefits of technological progress."

Theoretical Pessimism

Theodore J. Kreps, economic advisor to the committee, discussing the history and economic and social effects of technology, declared that unemployment must be wiped out if the nation's economic potentialities are to be realized. Comparing the United States with the Sweden of seventy years ago, he declared that this country, too, must develop systems of social security, limited government ownership, consumer cooperatives, and the like; "we can still retain laissez-faire as Sweden has done," he said.

Monopoly is an enemy of democracy, the witness said, and in his opinion, unless concentration of economic power is prevented, "technology will never be able to create for us an America unlimited."

The committee has included on the list of those who have consented to appear before it Charles Hook, president of the American Rolling Mill Company; Charles J. O'Neill, president of the United Eastern Coal Sales Corporation; J. J. Pelley, president of the Association of American Railroads; E. E. Norris, president of the Southern Railway; M. W. Clement, president of the Pennsylvania Railroad; William H. Harrison, vice-president of the American Telephone & Telegraph Company; and Thomas J. Watson, president of the International Business Machines Corporation.

Chain Store Tax Assailed at Hearing

—Continued from page 5

sage of the bill would "add to the cost of living for every American family of limited means," "lower the American standard of living," and "deal a staggering blow to the entire economic life of this country."

Witnesses scheduled to testify before the committee include J. B. Wilson, of the Wyoming Wool Growers Association; Charles F. Adams, treasurer of First National Stores; Edward A. O'Neill, president of the American Farm Bureau Federation; R. F. Sams, jr., president of the Georgia Vegetable Growers Association; John D. Neff, of the Horticultural Society of Virginia; George M. Putnam, of the New Hampshire Farm Bureau Federation; and H. A. Boger, of the Lehigh Valley Farmers Cooperative.

Toilet Preparations Exports In February Tabulated

The value of United States exports of toilet preparations during February, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$143,311
Other dentifrices	15,857
Talcum powder in packages	64,685
Face and compact powder	34,329
Cold creams	12,487
Vanish creams	12,023
Other creams, lotions and balms	23,876
Rouges	18,045
Lipsticks	58,387
Other cosmetics	14,313
Manicuring preparations	31,240
Depilatories and deodorants	5,398
Hair preparations	44,427
Perfumery and toilet waters	13,765
Other toilet preparations	35,418

DeNavarre Opens New Offices

Maison G. deNavarre, well known in the perfume and cosmetic field, has formed Maison G. deNavarre Associates in association with Frederick Mittelstadt and Ralph J. Mill. The firm will operate in a consulting capacity in the drug and cosmetic industries. Its new offices and laboratories at 14934 Harper avenue, Detroit, were formally opened April 13.

Petroleum Solvents Lubricants, Fuels

Crude Scale Wax Advanced at New York — Better Tone Reported for Refined Products — One Marketer Advances Top Fuel Oil Price for 1940-41

For the first time in several weeks the price of crude scale wax was revised in New York when leading producers advanced quotations fractionally. Petroleum solvents and diluents began to play a more important role in the refined markets, with a much better tone noted.

The Socony-Vacuum Oil Company has fixed tentatively a price of 7.70c. per gallon for heating oils in New York City for next season, which begins on June 1. The price for 1939-40 contracts was 6.75c. per gallon. Crude oil markets were giving concern to producers, and the Interstate Oil Compact Commission voted to recommend that regulatory bodies of member States at the May market demand hearing this month issue an order fixing State quotas on the basis of figures estimated by the Bureau of Mines for May, June and July. The meeting of the commission was featured by attacks on the proposed Cole bill. Coincidentally, further federal interest in oil was seen when the Senate judiciary committee announced that hearings will start April 16 on proposed investigation of the petroleum and natural gas industry.

Solvents and Diluents

Cleaners' Naphtha. — Better call from cleaning trade. Contract shipments heavier. Inquiries up. Price firm.

Lacquer Diluent.—Lacquer manufacturers beginning to show more interest in offerings. Spot demand slightly better. Price steady.

Petroleum Thinners.—Heavy buying season about to begin. Last week's sales higher. Deliveries for larger tonnages reported. Prices very firm.

Rubber Solvent.—Shipments to tire manufacturers heavy. No let-up in demand or inquiries. Prices steady and unchanged.

Stoddard Solvent. — Deliveries larger, price steady.

V. M. & P. Naphtha.—Paint makers more active buyers. Inquiries better. Price firm.

Markets at Other Centers

Chicago—April 11

Demand for petroleum solvents and diluents is reported holding its own. In specific products, such as material for the paint industry, movement is somewhat improved. Prices are fairly strong for most products. Ruling prices in tankcar lots f.o.b. Group 3 Oklahoma are:—Blending naphtha, 4c. to 4½c. per gallon; cleaners' naphtha, 6⅞c. to 7c.; petroleum spirits, 5⅞c. to 6c.; rubber solvent, 6⅞c. to 7c.; lacquer diluent, 7⅞c. to 8c.; Stoddard solvent, 6⅜c. to 6½c.; V.M. & P. naphtha, 6⅞c. to 7c.

New Orleans—April 11

Demand for most solvents and diluents improved last week. Shipments were heavier and inquiries were up. Prices were unchanged as follows:—

CLEANING SOLVENT. — Boiling range 225-350, gravity 53, 6¾c. delivered New Orleans in tankcars.

V.M. & P. NAPHTHA.—Boiling range 175-425, gravity 48, 6½c. delivered New Orleans in tankcars.

Tulsa—April 11

Paint manufacturers and tire makers are still the dominant inquirers in the markets for specialties. Other departments are relatively quiet. The rubber solvent, v.m. & p. as well as cleaners' naphtha are quoted at 6⅞c. to 7c. per gallon, unchanged from last week. Stoddard is 6⅜c. to 6½c., and lacquer diluent is 7⅞c. to 8c. per gallon.

Price Changes

Advanced

Paraffin, crude scale, N. Y., 10 points.

Reduced

None.

Market news that may have developed after this report was sent to press will be found on page 4.

Lighter Fractions

Butane.—Very firm and in heavy demand. Inquiries better. Some sales limited.

Heptane.—Trade still more or less routine. Shipments normal. Price firm.

Hexane.—Slight firming tendencies reported. Demand still light. Inquiries more numerous.

Octanes.—Market continues to improve. Better demand reported. Inquiries up. Price steady.

Pentanes.—Trade still routine but normal. Price steady.

Propane.—Good demand continues. Price very firm.

Petrolatums and Waxes

White Mineral Oils.—Domestic grades unchanged. Indications of better demand in near future seen. Prices firm. Russian oil nominal. Small stocks from Belgium available.

Petrolatum.—All grades routine. Demand normal. Prices steady.

Paraffin.—Crude scale material was advanced 10 points. Better interest reported. Refined grades active and firm.

Chicago—April 11

Fair demand is reported for refined petroleum wax, with the price structure about steady. Inquiry for new material indicates a continuing level of interest at about the same rate as for some time in the past. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa—April 11

The market for crude scale paraffin wax was easier due to lower demand. The 124-126 material was quoted at 5¼c. per pound.

Fuels and Lubricants

Gasoline.—Keener buying interest seen. Operations still conservative. Market unchanged.

Kerosene.—Consumption at previous levels. Prices firm and unchanged.

Fuel and Gas Oil.—Good demand for bunker C fuel reported. Heating oils less active. All prices firm.

Lubricating Oils. — Pennsylvania bright stocks and neutrals moving well. Good export call. Prices firm.

Tankwagon Price Changes

Standard Oil Company of Indiana advanced third grade gasoline .9c. per gallon to 13.1c. at Davenport, Ia.

Markets at Other Centers

Chicago—April 11

The general refinery petroleum market is seasonally expanding demand in the gasoline division. Material is moving in larger quantities. Demand is fair for the burning oils, kerosene and tractor fuels. Light heating oils are still attracting some interest. Heavy fuels are steadier than recently. Lubricants are quiet and unchanged.

GASOLINE.—Low octane motor, 3¾c. to 4c. per gallon; 63-66 octane motor, 4c. to 4¼c.; 67-69 octane motor, 4¼c. to 4½c.; 70-72 octane motor, regular, 4½c. to 4¾c.; 60-62, 400, 3¾c. to 4c.; 64-66, 375, 4c. to 4½c.; 68-70, 360, 4½c. to 4¾c.

KEROSENE.—42-44, water white, 4c. to

The State of the Petroleum Market

Both crude oil and gasoline prices were unchanged last week.

	April 12	April 5	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.2095	$1.2095	$1.147
Gasoline prices at refineries (at four refining centers) per gallon	.0520145	.0520145	.048125

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Apr. 13	1939 Jan. 1-Apr. 13
Commercial crude oil production.....	388,131,024	365,286,690
	Week ended Apr. 13, 1940	Week ended Apr. 14, 1939
Daily average production	3,736,476	3,433,310
Bureau of Mines estimate	3,550,000	3,434,000
	Week ended Apr. 6, 1940	Week ended Mar. 30, 1940
Estimated motor fuel stocks.....	101,690,000	101,370,000
Estimated finished motor fuel stocks.....	94,753,000	94,445,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.
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Technical Sales Division
PHILADELPHIA, PENNA.

4⅛c. per gallon; 41-43, water white, 3⅞c. to 4c.

FURNACE OILS.—Range oil, 3¾c. to 3⅞c. per gallon; No. 1 prime, 3⅝c. to 3⅞c.; No. 1 straw, 3½c. to 3¾c.; No. 2 straw, 3⅜c. to 3⅝c.; No. 2 dark, 3¼c. to 3½c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 70c.

New Orleans

Characteristic of the steadiness evidenced by the domestic market during the past several weeks, prices again remained unchanged during the current week. U. S. motor gasoline was quoted at 5¼c.; 63-67 otcane at 5½c., and 70-72 octane at 6c.—all prices being on a per gallon basis at refinery. Kerosene continued to be quoted at 7⅜c. per gallon at refinery. Bunker C fuel oil was quoted at 90c. per barrel at terminal and 95c. per barrel delivered alongside, while industrial plants in this vicinity continued to be quoted on this grade at $1.36 per barrel, delivered alongside.

Tulsa—April 11

Interest in refined oil markets in the Mid-continent field has become centered on the gasoline situation this week. While gasoline is about unchanged on the old grades, there are higher quotations quoted on the new grades. In Illinois, a surplus of fuel oil is being built up as a result of the decreasing industrial and domestic demand, while in the Mid-continent there is easiness in fuel oil.

GASOLINE.—U.S. Motor, third grade, 3½c. to 4c. per gallon; 63-66 octane, 3¾c. to 4c.; 67-69, 4c. to 4¼c.; and 70-72 octane, 4½c. to 5c.

NATURAL GASOLINE. — The 26-70 grade is 1¼c. per gallon in Texas and 1½c. in Oklahoma. The 18-55 grade is 1½c. per gallon in Texas and 1¾c. to 1⅞c. in Oklahoma.

KEROSENE.—The 41-43 grade, 3⅞c. to 4c. per gallon and 42-44, 4c. to 4¼c.

DISTILLATES.—No. 1 Prime White, 3⅝c. to 3⅞c. per gallon; No. 2 straw, 3⅜c. to 3⅝c., and dark gas oils, 3c. to 3⅜c. Tractor distillates are 3¾c. to 4¼c. per gallon.

FUEL OILS.—Residuals below 15 degrees, 45c. to 50c. per barrel; 18-22 grade, 70c. to 77½c. In central refining area, 20-22 is 60c. per barrel.

LUBRICANTS.—While demand is holding up well despite the lowered industrial activity there is some easiness in price. The eastern market continues to affect Mid-continent quotations. Bright stocks are unchanged this week at 20c. to 26c. per gallon and neutrals at 11½c. to 20c. Light blended oils range from 14.3c. to 21.9c. per gallon.

Crude Oil Daily Output Down

Daily average gross crude oil production in the United States during the week ended April 6 was 3,745,000 barrels, a decline of 96,250 from the 3,841,250 in the previous week, according to the American Petroleum Institute. A decline of 116,350 barrels in the daily average output of Texas was the most important change.

Stocks of finished and unfinished gasoline in the United States at the end of the week were 101,690,000 barrels, a record, and 320,000 above the 101,370,000 reported at the end of the preceding week. On April 6, 1939, these stocks amounted to 87,203,000 barrels. Finished gasoline stocks were up 308,000 barrels to 94,753,000, compared with 81,276,000 a year ago.

Petroleum Transportation By Water to Be Probed

OPD Washington Bureau
April 9, 1940

An investigation of the transportation of petroleum by water was ordered today by the house committee on Merchant Marine and Fisheries. The investigation will be conducted by a subcommittee headed by Representative Edward J. Hart, of New Jersey.

Recent increase in tanker charter rates between Gulf ports and the north Atlantic have caused considerable complaint in Congress, and last month Representative Vincent F. Harrington, of Iowa, introduced a resolution calling on the merchant marine committee to make an investigation of this situation, but this resolution has not been approved by the rules committee nor by the house itself. Today's action was taken on the authority of the merchant marine committee, and while the resolution adopted is similar to the Harrington resolution the investigation must be conducted without a special house appropriation.

Gulf Oil Company, Pittsburgh, will spend $5,000,000 expanding its Philadelphia plant.

Hull Asks Settlement Of Mexican Oil Case

—Continued from page 3

resented by Patrick Hurley, former Secretary of War.

Although no answer has been received from the Mexican government as yet, dispatches from Mexico City indicate the government's reluctance to accept arbitration. When the note was received in Mexico all newspapers there were filled with impassioned appeals urging the people to rally to their country and fight "Yankee Imperialism". All offices, schools, shops and industrial establishments in Mexico were closed today so that everyone might participate in monster mass meetings of protest.

Meanwhile, American and other foreign oil companies were dealt another blow when the Mexican Federal Board of Conciliation and Arbitration ordered them to pay their former workers 117,500,000 pesos ($19,387,500) in severance pay. The board ruled that the companies were liable as a result of cancellation, at the request of the Petroleum Workers Syndicate, of all labor contracts with the companies on March 18, 1938, only a few hours before President Cardenas decreed seizure of the properties. All the companies have filed legal papers contesting the claims.

W.C. Andersons Entertained On Golden Wedding

Dr. and Mrs. William C. Anderson, Brooklyn, were guests of honor April 10 at a dinner given by the New York Pharmaceutical Council in celebration of their golden wedding. The event also recognized the seventy-fifth birthday of Dr. Anderson, who is dean emeritus of the Brooklyn College of Pharmacy and a charter member of the National Association of Retail Druggists and has for many years been a prominent figure in pharmacal organization and educational circles.

Arthur B. Carmody, Shreveport, La., has been elected president of North Central Texas Oil Co.

Pectin Labeling Views Expressed by F.D.A.

OPD Washington Bureau
April 10, 1940

The proper labeling of pectin preparations is discussed in recent correspondence of the Food and Drug Administration.

Common mixtures of pectin with dextrose may bear the common or usual name, "pectin 100 grade" or "pectin 150 grade," followed by a list of the specific names of all ingredients including salts used for buffering purposes and a statement that one pound will set 100 pounds of sugar, or whatever its strength may be. A mixture of pectin, sugar, and water bearing a purely fanciful name should be labeled to show the specific name of each ingredient in the order of its prominence, and also a statement of its jelly strength.

The administration told one manufacturer that it did not know whether "effervescent pectin" was the common or usual name of a product but in any event a product so labeled should also show that it is not 100 percent pectin; the term, "effervescent pectin mixture," probably would be satisfactory if followed by a list of ingredients and also a statement of its jelly strength.

Fish Liver Monopoly Formed

A monopoly on the sale of all raw fish and by-products, including codlivers, has been given by the Norwegian government to the Norwegian Raw Fish Association, an organization made up of all the fishermen of the country, according to advices received from the American consulate in Bergen by the Department of Commerce, Washington. The purpose of the monopoly is to fix prices in order that the industry may become more stable. Producers and exporters of codliver oil who must obtain their raw livers from this organization, have shown little enthusiasm for the project.

Shell Oil Company has leased space on the thirty-sixth floor of the R. C. A. building, Rockefeller Center, this city.

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Fertilizer Materials

Warmer Weather Causes More Activity in Market — Sulphate of Ammonia Tight — Calcium Nitrate, Cal-Nitro and Ureor Sales Curtailed

The market for raw fertilizer materials began to show further signs of improvement last week. Increased planting preparations were reported in several sections of the country and mixers were calling for more supplies. Sulphate of ammonia remained the feature of the general market, due to a heavy export call and more numerous shipments of material on contract. Spot supplies were scarce. The firming tendencies resulted in only one price advance, however, the quotation on cottonseed meal being hiked.

The invasion of Scandinavia had only a small direct affect on domestic markets. Mindful of the disastrous results of the bullishness of last September, factors in the market proceeded cautiously last week and a slightly firming of the general market was the only reflection of the broadening of the European war. The ony materials directly affected were calcium nitrate, cal-nitro and ureor. There were no stocks of the first two available in this country and only small supplies of ureor in Southern ports.

Nitrogenates

Castor Pomace.—Deliveries routine. Price firm.

Dried Blood.—Market tighter. Deliveries heavier.

Fish Scrap.—Firm. No further future orders reported.

Nitrogen Solution.—Shipments normal and routine. Price firm.

Nitrogenous Material.—Heavier demand reported for imported material. Domestic stocks moving well. Prices firm and unchanged.

Sulphate of Ammonia.—Contract shipments heavy. Export call good. Price firm and unchanged.

Nitrate of Soda.—Market active. Contract shipments more numerous. Price steady.

Tankage.—New York and Chicago markets firmer. Imported material in better call. All prices firm.

Urea.—Demand better. Price firm.

Potashes

Cottonseed Hull Ash.—More stocks moved into consumption. Price steady and unchanged.

Kainit.—Deliveries to mixers heavier. Price steady.

Manure Salts. — Imported material tighter. Sales limited. Price firm.

Muriate.—Pick-up in deliveries reported. Contract price firm and unchanged.

Sulphate.—Stocks in this country at low level. Sales and deliveries curtailed. Market nominal.

Phosphates

Bone Materials.—Movement to feeders still heavy. Fertilizer mixers called for more stocks. All prices firm and unchanged.

Phosphate Rock.—Market routine. Prices steady.

Superphosphate. — Demand good. Prices firm.

Sulphur and Pyrites

Call for delivery of crude sulphur was at higher level. Contract shipments during week were more numerous. Market for Spanish and Canadian pyrites nominal. Sales curtailed. Prices for pyrites and sulphur firm.

Markets at Other Centers

Atlanta—April 10

Fertilizers are moving more steadily to the farm or local dealers. Planting of corn and cotton is in good progress. There is a fairly active business in raw materials. Nitrate of soda is reported in active demand. Quotations on leading materials are as follows:—

SUPERPHOSPHATE.—52c. per unit, interior producing points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $30.50 to $31 per ton, Southeastern mill points.

Price Changes

Advanced

Cottonseed meal, 50c. per ton, Southeastern mills.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

NITROGENOUS.—$1.95, Midwest; foreign, $2.40, ports.

TANKAGE.—High grade, $2.85 and 10c., Chicago; imported, $3.10, ports.

BLOOD.—$2.75 per unit, Chicago; imported, $3, port basis.

Baltimore—April 10

The season for the movement of mixtures is already some weeks behind, and a lagging tendency still persists. Quotations are about as follows:—

FISH SCRAP.—No further sales of prospective Chesapeake Bay crop have been made, and the total tonnage booked so far on a when-and-if-made basis stand at around 4,000 tons, negotiated at $3.25 and 10c. per unit-ton. The last figure on Japanese sardine meal was $52 per ton.

SUPERPHOSPHATE. — Quotations steady at $8.50 per ton for run-of-pile and at $9 for 16 percent milled and screened stocks. Demand unchanged.

TANKAGE.—Ground material is held at $2.75 and 10c. per unit-ton.

DRIED BLOOD.—Current quotations are at $2.75 per unit-ton for ground supplies.

NITROGENOUS MATERIAL.—There is an absence of activity. Quotations are where they have stood in recent weeks.

BONE.—Changes are small. Movement hesitant except in the feed division, which shows more activity than the fertilizer. Prices steady and unchanged.

Chicago—April 10

With prevailing values in the fertilizer materials market at lowest levels in a long time, the market currently appears to be in a stabilizing zone and is reported steadier. Buyers of blood have been in the market only to a limited extent and material has been in only fair call at low levels. Tankage is quiet and featureless. Bone materials are reported in moderate demand.

BLOOD.—Principal grade, $2.75 per unit of ammonia.

TANKAGE.—High grade, feeding, $2.85 and 10c.; hoof meal, $2.25 to $2.50; liquid stick, $1.25 to $1.50.

BONE MATERIALS.—Ground, steamed bone, 1½ and 60 percent, $29 to $30; 3 and 50 percent, $30; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $34 to $35; beef cracklings, soft pressed, $35 to $40; pork cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 67½c. to 70c.

San Francisco—April 10

Mixers are reporting a nice demand now for contracted materials although replacement buying originating from the mixers themselves continues to be rather light, aside from an occasional interest in some of the organic items. The trade

—*Continued on page 58*

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Fertilizer Use Survey Issued

A comprehensive survey, reviewing the use of commercial plant food and the factors which influence the American farmer in his fertilizer-using policies has been issued by the National Fertilizer Association in book form. Conducted solely by the fertilizer industry, the survey indicates that since 1928, when a similar study was made, considerable progress has been made in the introduction of better methods of fertilizer application and the use of higher analysis fertilizers.

The factual data collated on this progress should be valuable to not only the fertilizer manufacturers, but also to agricultural agents and fertilizer control officials. A limited number of paper-bound copies of the 140-page book are available at $1.00 per copy, it is stated, and may be obtained from the National Fertilizer Association, 616 Investment building, Washington, D. C.

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Research Institute to Meet In Cincinnati April 26

The Industrial Research Institute will hold its second annual meeting at the laboratories of the Procter & Gamble Company and in the Queen City Club, Cincinnati, April 26-27. Newly-elected officers for the current year will be installed at the meeting.

Present relations between industries and universities on research and how such relations may be made more effective will be the main topic up for discussion. Dean Moreland, of the Massachusetts Institute of Technology, and Dean MacQuigg, of Ohio State University, will lead the discussions from the university point of view. Two industrial executives, whose names will be announced later, will discuss the subject from the standpoint of industry.

Other subjects on the agenda are "Selection of College Graduates" and "Project Selection and Evaluation," the discussions on these topics to be led respectively, by Dr. R. S. Uhrbrock, of the industrial relations division of the Procter & Gamble Company, and W. N. Tuttle, research director for the General Radio Company, Cambridge, Mass.

A tour through the Procter & Gamble Research Laboratories and plant at Ivorydale, Ohio, will be a feature of the meeting. Delegates will also visit the plant and laboratories of the Champion Paper & Fiber Corp., Hamilton, Ohio, following the adjournment of the meeting.

H.A. Hopf Awarded Management Medal

Harry Arthur Hopf, president of the Hopf Institute of Management, received a gold medal in recognition of his work in scientific management at the annual dinner of the National Management Council, in the Waldorf-Astoria hotel, this city, April 11. The presentation was made by Dr. Dexter S. Kimball, dean emeritus of the College of Engineering of Cornell University. W. L. Batt, president of SKF Industries, Inc., Philadelphia, president of the International Committee on Scientific Management and chairman of the board of the American Management Association, presided. Charles N. Hatch, assistant to the president of the National Can Corporation, this city, is chairman of the National Management Council.

Cottingham Award Made For Toluidin Red Process

Presentation of the Cottingham Merit Fund Award to three Chicago chemists for their work with coaltar pigments has been announced by George A. Martin, president of the Sherwin-Williams Company, paint manufacturer, Cleveland, as administrator of the research fund which was set up by the company's former president, Walter Horace Cottingham. The men who received the award were laboratory director Robert Fry and his assistants Grady O'Neal and Robert Murray of the company's Chicago chemical products division. By an entirely new procedure, these three chemists developed a much less costly process of manufacturing toluidin reds.

Lord Samuel Wins Messel Medal

The Society of Chemical Industry has awarded the Messel Medal for 1940 to Viscount Samuel. He will address the annual meeting. Presentation of the medal will be made at the annual meeting of the society here July 9. Lord Samuel has held many governmental posts and is the author of numerous books.

Dr. Church Leaving Monsanto To Join Columbia Faculty

Dr. James M. Church, research chemist for the Monsanto Chemical Company, St. Louis, has been appointed assistant professor in chemical engineering at Columbia University. Dr. Church has been affiliated with the Monsanto organization for seven years. His work has consisted chiefly of pure organic research and process development of synthetic organic chemicals.

No. 1 ACID

SULPHURIC ACID in 1939 added another impressive chapter to its long and noteworthy history. Chemical and Metallurgical Engineering estimates, recently made public, indicate consumption for the year of 8,181,000 short tons of 50 degree Baume acid—22½ per cent more than in 1938 and one of the largest totals on record.

Every major type of use for sulphuric acid increased substantially over the previous year. In fact, "Chem. & Met." reports, some of the consuming groups used more than ever before, exceeding even their previous 1937 peaks.

The Freeport Sulphur Company, at mines at Port Sulphur, La., and Freeport, Tex., maintains ample stocks above ground of better than 99½ per cent pure crude sulphur —economical raw material for this No. 1 acid of American industry.

FREEPORT SULPHUR COMPANY
122 East 42nd Street **New York City**

Scandinavian Warfare Erects Trade Barriers

—Continued from page 3

as resulting largely from the movement of German exports through the countries involved and the importing by those countries of goods intended eventually to reach Germany. This trade will not escape the barriers raised by the hostilities in Scandinavian waters.

Exports from the United States to Sweden, Norway, Denmark, and Finland in the six months ended with February this year had a total value of $115,002,000. This was almost double the $63,418,000 value of exports in the corresponding 1938-39 period. Imports from those countries amounted to $51,308,000 in the 1939-40 six-month period, compared with $44,156,000 in the 1938-39 period.

Details of Trade

Statistics compiled last week by the Department of Commerce show that the principal commodities among exports to the Scandinavian countries and Finland are automobiles, machinery, petroleum products, cotton, iron and steel, copper, foodstuffs and tobacco. The chief import items are pulp and paper, ores and metals, fish and fish oils, agricultural products, and cement.

The following tables show principal items in this trade of particular interest to the industries served by OPD:—

Exports to Norway

	1938.	1939.
Animal oils	$4,000	$1,024,000
Oilcake and oilcake meal	189,000	489,000
Soybean oilcake meal	*	370,000
Rosin	94,000	215,000
Soybean		164,000
Gasoline and other petroleum motor fuel	399,000	919,000
Illuminating oil	197,000	333,000
Gas oil and distillate fuel oil	612,000	1,064,000
Lubricating oil	454,000	980,000
Petroleum coke	137,000	272,000
Chemicals and related products, total	643,000	1,643,000

/ Not shown separately.

Exports to Sweden

	1938.	1939.
Oleo stock	$155,000	$325,000
Lard, including neutral	18,000	320,000
Coconut oil, edible	*	233,000
Coconut oil, inedible		179,000
Cottonseed oil, refined		130,000
Rosin	329,000	716,000
Petroleum, crude	1,124,000	650,000
Gasoline and other petroleum motor fuel	5,258,000	7,185,000
Illuminating oil	895,000	795,000
Gas oil and distillate fuel oil	674,000	1,742,000
Lubricating oil	1,230,000	2,215,000
Paraffin	172,000	532,000
Abrasives	671,000	1,014,000
Sulphur, crude	106,000	231,000
Chemicals and related products, total	2,479,000	4,246,000
Phosphate rock	632,000	516,000

* Less than $500.

Exports to Denmark

	1938.	1939.
Cottonseed cake	$599,000	$21,000
Naval stores, gums and resins	103,000	164,000
Soybeans	31,000	421,000
Gasoline and other petroleum motor fuel	1,390,000	2,075,000
Illuminating oil	925,000	867,000
Gas oil and distillate fuel oil	957,000	744,000
Lubricating oil	957,000	2,325,000
Chemicals and related products, total	589,000	535,000

Exports to Finland

	1938.	1939.
Coconut oil, edible		$137,000
Crude petroleum		123,000
Gasoline	$592,000	569,000
Illuminating oil	124,000	86,000
Gas oil and distillate fuel oil	67,000	188,000
Lubricating oil	258,000	313,000
Chemicals and related products, total	425,000	460,000

Imports from Norway

	1938.	1939.
Whale oil	$567,000	$539,000
Cod and codliver oil	1,526,000	1,766,000
Nickel in pigs, ingots and similar form	196,000	370,000
Fertilizers and materials	2,688,000	2,393,000

Imports from Sweden

	1938.	1939.
Peat moss	$282,000	$322,000

Imports from Denmark

	1938.	1939.
Chemicals and related products, total	$136,000	$108,000

Imports from Finland

	1938.	1939.
Cobalt metal	$281,000	$277,000
Cobalt oxide	120,000	160,000

Effects on U.S. Supplies

Among the chemicals and related materials of which the United States has imported substantial supplies from Scandinavia, the biggest items are calcium nitrate, chlorates and perchlorates, arsenic, nitrate of ammonia, urea, saltcake, ilmenite, cobalt metal and oxide, silicofluorides, cod oil, codliver oil, and woodflour. The effects of the blocking of the movement of these articles have not yet been markedly reflected in their prices, with the exception of codliver oil which has been advanced about 50 percent and is rather scarce.

Supplies here of calcium nitrate, ammonia nitrate mixture, imported urea, and Norwegian woodflour also are very low. Domestic producers of woodflour already report interest on the part of manufacturers of linoleum and plastics who have been accustomed to use the finer imported product. There is no shortage of chlorate of potash at present, but the cutting off of the sizable imports recently coming from Sweden is expected to have an effect on the price. Imports of nitrate of ammonia have diminished in importance over the past few years.

The markets for cod oil and whale oil doubtless will feel the pinch shortly. Scandinavian ilmenite has been an item in consumption in this country, but the supply from India is regarded as ample. Denmark has been an important source of silicofluoride of soda and cryolite from Greenland. The contraband and navicert orders of the Allied governments have been extended to Denmark proper but not to Greenland, Iceland, or the Faroe Islands. The outlook in this respect is at best uncertain. Sweden has supplied substantial quantities of arsenic to the United States, but little concern is felt about the inadequacy of supplies from Mexico.

On the export side the spread of the neutrality zone will affect shipments of petroleum products, corn derivatives, paints and related products, medicinals, naval stores—recent takings of rosin have been supposed to represent buying for Germany—edible oils, also believed to have gone largely to Germany, oilcakes and oilmeals largely bought by Denmark as cattle feed, calcium chloride, alkalies, acetone, and coaltar products.

Fertilizer Materials

Markets at Other Centers

—Continued from page 57

is not appearing to be particularly concerned about any shortage in sulphate of ammonia. Offerings on this commodity still appear to be absent for the most part. Blood, tankage and fish meal are all quoted unchanged from the previous week, with the market about steady. Ruling prices are:—

SULPHATE OF AMMONIA.—Buyers state nominal quantities can be purchased at $38 per ton, delivered inland points. Major sellers are indisposed towards offering.

SUPERPHOSPHATE. — Domestic, 78c. per unit in bulk, f.o.b. San Francisco Bay. Bags, 90c. per unit.

NITRATE OF SODA.—100-pound bags, $29 per ton; 200-pound bags, $28.30 per ton, both ex vessel or warehouse.

FISH MEAL.—California sardine meal, $51.50 per ton, San Francisco and $50 Monterey.

TANKAGE.—Unground fertilizer, wet rendered, domestic, $2.40 and 10c. per unit-ton, f.o.b. Northern California. Dry rendered, ground, 50%, $38.50 to $40 per ton, f.o.b. Soutn San Francisco; unground, dry rendered, 65c. to 67½c. per unit of protein, f.o.b. South San Francisco.

Dr. C.S. Hudson Wins T.W. Richards Medal

Boston, Apr. 11, 1940

Dr. Claude S. Hudson, professor of chemistry in the National Institute of Health of the United States Public Health Service, has been awarded the 1940 Theodore William Richards Medal of the Northeastern section of the American Chemical Society "for conspicuous achievement in carbohydrate chemistry".

The medal, founded in 1930 to commemorate the work of Professor Richards of Harvard University, first American chemist to win the Nobel Prize, will be presented to Dr. Hudson at a ceremony on May 9. Dr. Hudson is the recipient of the 1916 William H. Nichols Gold Medal, the 1929 Willard Gibbs Medal and the 1931 Hillebrand Prize, all awarded for outstanding contributions in the field of chemistry.

Valliant Fertilizer Company, Laurel, Del., has appointed J. Merrick Culver as its agent at Salisbury, Md.

Shipping Information

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Imports at U.S. Ports

New York Imports

ABRUS SEED—56 bgs, Maracaibo

ACID, TARTARIC—200 cks, W I Chudleigh, Genoa

ANISE—25 bgs, New York & Cuba Mail S S Co, Marseilles

ANNATTO SEED—180 bgs, Long Chem Co, Kingston

ANTIMONY, ORE—448 bgs, J Henry Schroeder Banking Corp, Mollendo

ARROWROOT—200 bbls, Morningstar Nicol, St Vincent
1,600 bgs, Morningstar Nicol, St Vincent

ASPARAGUS ROOT—33 bgs, W E Martin, Marseilles

ASBESTOS—1,749 bgs, Beira
2,050 bgs, Raw Asbestos Dist Co, Beira
680 bgs, Raw Asbestos Dist Co, Beira

BARBASSU KERNELS—6,666 bgs, General Food Corp, Maranham

BAUXITE ORE—3,305 tons, Republic Mining & Mfg Co, Morengo

BONE MEAL—445 bgs, Weaver & Hugi, Montevideo
2,000 bgs, H J Baker & Bros, Montevideo

BRISTLES—3 cs, F W Von Stade, Kobe
55 cs, H Rosenhirsch Co, Shanghai
55 cs, F H Cone & Co, Shanghai
81 cs, N Wagman & Co, Shanghai
75 cs, Mitsubishi Shoji Kaisha, Shanghai

BUCHU LEAVES—10 bls, S B Penick & Co, Capetown
5 bls, W E Martin, Capetown
10 bls, J L Hopkins & Co, Capetown
10 bls, S B Penick & Co, Capetown
5 bls, Peek & Velsor, Capetown
10 bls, R J Prentiss & Co, Capetown

CALCIUM—65 bgs, R W Williams & Co, Vera Cruz
METALLIC—5 cs, Charles Hardy, Marseilles

CANAIGRE ROOT—17 bgs, P H Petry & Co, Vera Cruz

CANARY SEED—430 bgs, C Clausen & Co, Montevideo

CASEIN—50 bgs, A Hurst & Co, Montevideo

CASSIA—94 bls, Tandjong Prick
BARK—15 bls, Shung Fat & Co, Hongkong
ROLLS—80 bls, Otto Gerdau & Co, Hongkong
125 bls, S L Jones & Co, Hongkong

CASTOR BEANS—18 bgs, Mohegan International Corp, Fort Liberte
800 bgs, Arnold Dorr, Ceara
4,205 bgs, Baker Castor Oil Co, Pernambuco
6,773 bgs, Pernambuco

CELERY SEED—30 bgs, Kachurin Drug Co, Marseilles
20 bgs, Knickerbocker Mills Co, Marseilles

CHAMOMILE FLOWERS—2 bls, New York & Cuba Mail S S Co, Marseilles

CHEMICALS—50 cks, International Selling Corp, Europe
500 cks, International Selling Corp, Europe
19 cks, Rohner, Gehrig & Co, Europe
2 demj, 2 cs, G F Doherty & Co, Europe
9 cs, G J Wallau, Europe
100 cks, Gondrand Shipping Co, Gothenburg
6 cks, W J Byrnes & Co, Europe
3 demj, 1 ck, G F Doherty, Europe
1 ck, Genoa

CHILLIES—140 bgs, Leslie & Anderson, Mombasa

CHINA CLAY—67 bgs, New York & Cuba Mail S S Co, Marseilles

CHROME ORE—3,000 tons, 5 cwt, 1 qr, 7 lbs, E J Lavino & Co, Lourenco Marques
1,000 tons, 13 cwt, 3 qrs, 15 lbs, E J Lavino & Co, Lourenco Marques
4,500 tons, E J Lavino & Co, Beira
1,051 tons, 8 cwt, 1 qr, 1 lb, Sussex Trading Corp, Lourenco Marques

CLOVES—48 bgs, Catz American Co, Macassar
500 bls, Greene Trading Co, Zanzibar
320 bls, Geo Uhe & Co, Zanzibar
50 bls, I Harrison & Whitney, Zanzibar
100 bls, Greene Trading Co, Zanzibar
50 bls, I Harrison & Whitney, Zanzibar
100 bls, 1 cs, Greene Trading Co, Zanzibar

COBALT ALLOY—2,400 bgs, Deloro Smelting & Refg Co, Marmora
RESIDUE—388 dms, African Metal Corp, Beira

COCA LEAVES—112 bls, Maywood Chem Works, Salaverry

COCOA BEANS—53 bgs, Lopez & Mangual, Maracaibo
55 bgs, Schutte & Focke, Maracaibo
55 bgs, Struller & Wood, Maracaibo
26 bgs, Maracaibo
57 bgs, Havana
600 bgs, South American Prod Co, La Guaira
200 bgs, Banque Belge l'Etranger, La Guaira
40 bgs, Carters, Ltd, La Guaira
230 bgs, G Anfossi, La Guaira
286 bgs, Chocolate Suchard, La Guaira
500 bgs, W R Grace & Co, Puerto Cabello
100 bgs, Meyer & Co, Puerto Cabello
150 bgs, Wessel, Duval & Co, Puerto Cabello
300 bgs, Puerto Cabello
250 bgs, W R Grace & Co, Manta
114 bgs, J Henry Schroeder Banking Corp, Para
200 bgs, Para
3 bgs, Tropic Foods, Cristobal
200 bgs, Cristobal
900 bgs, Kennedy, Butcher & Co, Trinidad
250 bgs, Royal Bank of Canada, Trinidad
1,000 bgs, P Prosperi & Co, Carupano
425 bgs, Antoni & Co, Carupano
2,300 bgs, Carupano
700 bgs, Rio Caribe, Carupano
1,000 bgs, Wessel, Duval & Co, Rio Caribe
750 bgs, Nieschlag & Co, Rio Caribe
300 bgs, Blohm & Co, Rio Caribe
500 bgs, P Prosperi & Co, Rio Caribe
550 bgs, Antoni & Co, Rio Caribe
164 bgs, Transmares Mercantile Corp, Cape Haitien

COCONUT, DESIC—72 cs, Durkee Famous Foods, Manila
514 bgs, Cooperative Coconut Prod, Inc, Manila
1,022 bgs, Philippine Desic Coconut Corp, Manila

COCONUT, DESIC—657 cs, Philippine Desic Coconut Corp, Manila
1,273 cs, Hongkong & Shanghai Banking Corp, Manila
2,500 cs, Wilbur, Ellis Co, Davao
570 bgs, 60 cs, Wood & Selick, Manila
1,140 cs, 350 bgs, Wood & Selick, Manila
150 cs, Philippine Desic Coconut Co, Zamboanga
130 cs, Wilbur, Ellis Co, Davao
2,087 cs, Durkee Famous Food, Manila
5,100 bgs, General Food Sales Co, Manila
400 cs, General Food Sales Co, Manila
4,550 cs, Philippine Desic Coconut Corp, Zamboanga

COCONUTS—250 bgs, I L Toledano Corp, Kingston
1,183 bgs, General Food Corp, Kingston
300 bgs, I L Toledano Corp, Cristobal
650 bgs, Universal Import & Export Co, St Vincent

COLORS—1 cs, B F Drakenfeld & Co, Europe
10 cks, Penson & Co, Europe
10 cs, F B Vandegrift & Co, Europe

CORNSILK—29 bls, R D Heins, Genoa

CORUNDUM CRYSTALS—500 bgs, Standard Bank South Africa, Lourenco Marques
250 bgs, E J Lavino & Co, Lourenco Marques
250 bgs, American Abrasive Co, Lourenco Marques
380 bgs, Lourenco Marques
435 bgs, E J Lavino & Co, Lourenco Marques

COTTON LINTERS—109 bls, Santos

DERRIS CHIPS—100 cs, R J Prentiss & Co, Batavia
ROOT—70 bls, S B Penick & Co, Singapore
70 bls, Marine Midland Trust Co, Singapore

DOGWOOD BARK—30 bgs, S B Penick & Co, Kingston

DYEING PROD—200 cs, Europe

DYES, ANILIN—15 dms, Fulton Dye & Import Co, Europe
15 cks, St Denis Kuhlmann, Europe
11 cks, St Denis Kuhlmann, Europe
5 cyls, Sandoz Chem Works, Europe

FERTILIZER—1,119 bgs, Ashcraft, Wilkinson & Co, Montevideo

FISH LIVERS—1 dm, F Murray Hill, Havana
25 bbls, Greece
SOUNDS—71 bls, Fred Henjes, Jr, Maracaibo

FLAXSEED—3,037 tons, 121,480 bu, Buenos Aires
Quantity, L Dreyfus & Co, Buenos Aires

FLIES, DRIED—15 bgs, Vera Cruz

GAMBIER—510 cs, I Harrison & Whitney, Belawan Deli

GINGER ROOT—18 bgs, Dodge & Olcott Co, Kingston

GLUE — 60 cs, International Selling Corp, Europe

GUM ARABIC—150 bgs, T M Duche & Sons, Alexandria
500 bgs, Innis, Speiden & Co, Alexandria
150 bgs, R J Prentiss & Co, Alexandria
300 bgs, Frank Vliet Co, Alexandria
395 bgs, Alexandria
2,750 bgs, Nippon Yusen Kaisha, Haifa
9 bgs, M Arachtinox, Dar Es Salaam

CHICLE—77 bgs, Chicle Development Co, Kingston

COPAL — 66 bgs, Stroock & Wittenberg, Manila
348 bgs, O G Innes Corp, Macassar
495 baskets, O G Innes Corp, Macassar
399 baskets, Manufacturers Trust Co, Macassar
226 baskets, Chase National Bank, Macassar
241 baskets, Manufacturers Trust Co, Macassar
179 baskets, Macassar
109 baskets, O G Innes Corp, Macassar
116 baskets, Macassar
140 bgs, Stroock & Wittenberg, Singapore

DAMMAR—280 bgs, Manufacturers Trust Co, Sourabaya
63 pkgs, Manufacturers Trust Co, Sourabaya
210 bgs, Chase National Bank, Singapore

LOCUST BEAN—20 bgs, Paul A Dunkel & Co, Genoa
35 bgs, Trust Co of North America, Genoa
50 bgs, Stein, Hall & Co, Genoa

NISPERO—40 bls, Chicle Development Co, Cristobal

TRAGACANTH—42 cs, E Meer & Co, Beyrouth

HENBANE LEAVES—34 bls, Guaranty Trust Co, Alexandria

HENNA LEAVES—69 bls, Levy & Levis Co, Alexandria
POWDER — 17 bgs, American Prod Co, Alexandria

HERBS—1 cs, Penson & Co, Genoa

IPECAC ROOT—17 bgs, Continental Export Co, Cristobal
20 bgs, Wessel, Duval & Co, Cristobal

IRISH MOSS—10 bls, Peek & Velsor, Europe
50 bls, S B Penick & Co, Europe
20 bls, R J Prentiss & Co, Europe
100 bls, C H Reisig, Europe
100 bls, Irving Trust Co, Europe
50 bls, R J Prentiss & Co, Europe
50 bls, S B Penick & Co, Europe
15 bgs, Peek & Velsor, Europe
10 bgs, Europe
50 bls, Innis, Speiden & Co, Europe

IRON OXIDE—6,096 tons, Bethlehem Steel Co, Narvik

JALAP ROOT—14 bgs, Peek & Velsor, Vera Cruz
11 bgs, New York & Cuba Mail S S Co, Vera Cruz
29 bgs, Vera Cruz

KANTHAL ALLOY—3 cs, Karr, Ellis & Co, Gothenburg

LEAVES, MED—46 bgs, J L Hopkins & Co, Seville
70 bgs, S B Penick & Co, Seville

LICORICE PASTE—208 cs, Marcel Blanc, Valencia

MACE—46 cs, Catz American Co, Macassar
17 cs, Macassar

MAGNESIA, CITRATE—50 cs, Eugene J Petrosemole, Leghorn

MANGROVE BARK—175 bgs, Mohegan International Corp, Fort Liberte
2,340 bgs, Chase Natl Bank, Kiliva Kisiwani

MARJORAM LEAVES—84 bls, J Mann & Co, Marseilles

MEDICINAL PREPS—21 cs, E Fougera & Co, Europe
6 cs, E Fougera & Co, Europe
21 cs, E Fougera & Co, Europe
10 cs, Galban Co, Barcelona
2 cs, Marcelona

MICA—14 cs, Mollendo

MOLASSES—1,900 bbls, American Molasses Co, Barbados
50 puns, American Molasses Co, Barbados

NUTMEGS—150 bgs, Frank Tea & Spice Co, Grenada
100 bgs, A G Dunn, Grenada
49 cs, Catz American Co, Macassar
48 bgs, Macassar

NUX VOMICA—857 bgs, Saigon

OCHER—70 cks, J A McNulty, Marseilles
800 bgs, J Lee Smith & Co, Marseilles
80 cks, Scott L Libby Corp, Marseilles
25 cks, J Lee Smith & Co, Marseilles

OIL, ALMOND—40 cs, Fritzsche Bros, Marseilles
5 dms, Magnus, Mabee & Reynard, Marseilles
50 cs, Magnus, Mabee & Reynard, Marseilles
5 dms, Magnus, Mabee & Reynard, Marseilles

BLUE FIN TUNA—9 dms, Consumers Import Co, Yokohama

CAJEPUT—4 dms, Macassar

CHINAWOOD—269 tons, Inter Chemical Corp, Hongkong

CITRONELLA—2 dms, Catz American Co, Oosthaven

COCONUT—420 tons, Pacific Vegetable Oil Corp, Cebu
542 tons, Best Foods, Inc, Manila

CODLIVER—25 dms, Davis & Lawrence, Bergen
5 dms, Rutherford W Moore, Bergen
112 pkgs, W I Chudleigh, Bergen
50 dms, Towns & James, Bergen
80 dms, Norwich Pharm Co, Hommelvik

CRUDE—15 dms, Wheeler Corp, Beyrouth

ESSENTIAL—1 cs, American Express Co, Europe
13 pkgs, Europe
2 cs, R F Downing & Co, Europe
9 cs, Concentrate Mfg Co, Europe
10 cs, J Manheimer, Marseilles
8 cs, Empress Cosmetics, Marseilles
25 pkgs, Lo Curto & Funk, Marseilles
100 cs, Ungerer & Co, Marseilles
6 dms, G Uhe & Co, Marseilles
1 cs, Titan Shipping Co, Marseilles
20 cs, Tombarel Prod Co, Marseilles
1 dm, Magnus, Mabee & Raynard, Kingston
1 cs, Coty Product Corp, St Nazaire
6 cs, T D Downing & Co, St Nazaire
2 cs, Titan Shipping Co, Europe
2 cs, M Levy, Europe
2 cs, Robert Enterprises, Europe
4 cs, T D Downing & Co, Europe
8 cs, Coty Product Co, Eurone
4 cs, American Express Co, Europe
6 cs, Perfumes Carbon Co, Eurone
25 cs, 1 ck, Roure Dupont, Europe
1 cs, G F Doherty, Europe
4 cs, J E Bernard & Co, Europe
7 cs, 1 ck, Dodge & Olcott Co, Europe

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
45,629 bbls, Standard Oil Co of N J, Aruba

LIME, DIST—3 cs, Roseau

OITICICA—128 dms, Tutoya
425 dms, Brasil Oiticica, Inc, Ceara
75 dms, Ceara

OLIVE—25 cs, Arace Bros, Genoa
50 cs, Dominick Sparvierri, Genoa
100 cs, A Fiore & Co, Genoa
250 cs, Bortolo Bendin, Genoa
2,140 cs, Pastene & Co, Genoa
25 cs, Albino De Meo, Genoa
150 cs, Parisi Bros, Genoa
50 cs, Schenectady Import Co, Genoa
50 cs, Lentini Giuseppe, Genoa
50 cs, Carmela Moschetti, Genoa
550 cs, B Filippone, Genoa
50 cs, Scaramelli & Co, Genoa
30 cs, C Di Palo, Genoa
30 cs, V De Stasio, Genoa
50 cs, F M Milano, Genoa
35 cs, L Profumo, Genoa
100 cs, Liborco Marino, Genoa
150 cs, Fontana Hollywood Co, Leghorn
100 cs, Uddo Taormina Co, Genoa
100 cs, De Simone Bros, Genoa
50 cs, Pellino Luigi, Genoa
120 cs, De Simone Bros, Genoa
200 cs, Carlo Import Corp, Genoa
200 cs, Santo Gianetto & Co, Genoa
50 cks, Salvatore Casciosta, Genoa
50 cs, Benny Dorman, Genoa
50 cs, Arturo Bianca, Genoa
25 cs, Perrelli Bros, Genoa
100 cs, Mannes Forwarding Co, Genoa
25 cs, Sorrentino & Co, Genoa
165 cs, Parisi Bros, Genoa
500 cs, M De Rosa, Genoa
100 cs, Banco Di Napoli Trust Co, Genoa
100 dms, J Ossola, Pamphylla
50 dms, Chicago Macaroni Co, Piraeus
25 dms, B Phillippone, Piraeus
10 dms, G Cucola, Piraeus
20 dms, Michele Arino, Piraeus
50 dms, D & A Solafani, Piraeus
25 dms, J Solafani, Piraeus
20 dms, Michel Marino, Piraeus
50 dms, De Simone Bros, Piraeus
25 dms, Sabella & Co, Piraeus
25 dms, Banco Comm'l Italian, Seville
15 cs, 575 dms, American-Hawaiian S S Co, Seville
25 dms, Seville
200 dms, Panama Pacific Line, Seville
50 dms, 625 cs, Seville
450 dms, Chemical Bank Trust Co, Seville
15 dms, Banco Di Napoli Trust Co, Seville
100 dms, Chemical Bank Trust Co, Seville
25 dms, F M Mobica, Piraeus
100 dms, Leghorn Trading Co, Piraeus
200 dms, Modern Packing Co, Piraeus
100 dms, Leghorn Trading Co, Piraeus
150 dms, Schroeder Bros, Piraeus
25 dms, Raphael H Elmaden, Piraeus
40 dms, E C Petas Co, Piraeus
25 dms, Olive Oil Industry, Inc, Piraeus
50 cs, Mallars & Co, Piraeus
300 cs, C A Fantis, Piraeus
50 cs, Basil Bros, Piraeus
50 dms, Smith-Weihmann Co, Piraeus
25 dms, J Solafani, Piraeus
50 dms, W A Taylor & Co, Piraeus
150 dms, Smith-Weihmann Co, Piraeus
50 dms, Schroeder Bros, Piraeus
100 dms, Leghorn Trading Co, Piraeus
50 dms, E M Sergeant Pulp & Chem Co, Piraeus
50 dms, Leghorn Trading Co, Piraeus

OIL, OLIVE—25 dms, Capitole Trad & Flour Milling Co, Piraeus
17 dms, Basile Haniotis, Piraeus
150 dms, Leghorn Trading Co, Piraeus
20 dms, Uddo Taormina Corp, Piraeus
35 dms, S A Laraia, Piraeus
50 dms, Leghorn Trading Co, Piraeus

OLIVE SULPHUR—150,000 kilos, Smith-Weihmann Co, Pamphylla
160,000 kilos, Smith-Weihmann Co, Piraeus
200,000 kilos, Smith-Weihmann Co, Rethymno
250,000 kilos, Smith-Weihmann Co, Calamata

ORANGE—14 cs, Geo Lueders & Co, Kingston

PARAFFIN—8 dms, Asiatic Petroleum Corp, Balik Papan

PETITGRAIN—65 cs, Montevideo
11 dms, W R Grace & Co, Montevideo
35 cs, Montevideo
8 dms, W R Grace & Co, Buenos Aires
54 cs, Buenos Aires
50 cs, W R Grace & Co, Buenos Aires

PINE—2 cs, Fritzsche Bros, Grenada

ROSE—4 cs, Geo Lueders & Co, Europe

SHARK—2 dms, Ocean Leather Co, Havana

SKIPJACK LIVER—3 dms, Consumers Import Co, Yokohama

YELLOW FIN, TUNA—3 dms, Consumers Import Co, Yokohama

ORANGE PEEL—357 bgs, Maracaibo

PAPRIKA—350 cs, Atlantic & Pacific Tea Co, Valencia
40 cs, Seatrain Line, Valencia
10 cs, Bull Insular Line, Valencia
50 cs, National City Bank, Naples
50 bgs, Continental Spice Co, Trieste

PARAFFIN—16,960 bgs, Asiatic Petroleum Corp, Balik Papan
7,760 bgs, Asiatic Petroleum Corp, Balik Papan

PEATMOSS—3,911 bls, Irving Trust Co, Hommelvik

PEPPER, BLACK—2,580 bgs, Catz American Co, Telok Betong
2,494 bgs, Catz American Co, Telok Betong
WHITE—168 bgs, Oosthaven

PIMENTO—25 bgs, W E Martin, Kingston
100 bgs, Barclay Bank, Kingston
5 cs, 3 pkgs, Schieffelin & Co, Kingston
100 bgs, Kingston

POPPYSEED—70 bgs, Anglo American & Colonial Co, Izmir

POTASH METABISULPHITE—200 cks, Irving Trust Co, Marseilles

QUASSIA CHIPS—200 bgs, R J Prentiss & Co, Kingston

QUEBRACHO EXTRACT—432 bgs, United Shoe & Leather Co, Buenos Aires
5,111 bgs, American Tanners, Ltd, Buenos Aires

QUICKSILVER—50 flasks, Chase Natl Bank, Vera Cruz
25 flasks, Mercantile Metal & Ore Corp, Vera Cruz

QUINCE SEED—22 bgs, E Meer & Co, Beyrouth

QUININE SULPHATE—300 cs, Guaranty Trust Co, Batavia

RAPESEED—643 bgs, C Clausen & Co, Montevideo

ROOT, MED—4 bls, New York & Cuba Mail S S Co, Marseilles

SANDALWOOD—600 logs, J H Monteath, Kingston

SAVORY LEAVES—43 bls, J Mann & Co, Marseilles

SERUM—1 cs, Galban Co, Barcelona

SESAME SEED—20 bgs, Wah Young Co, Hongkong
112 bgs, S K Adams, Inc, Hongkong

SHARK LIVERS—3 dms, Ocean Leather Co, Havana
10 dms, Chase Natl Bank, Havana

SIENNA—135 cks, F B Vandegrift & Co, Leghorn

SOAP BARK—379 pkgs, W R Grace & Co, San Antonio

SOAP—310 cs, Conti Product Co, Leghorn
12 cs, Concentrates Mfg Co, Europe
3 cs, Parfums Corday, Europe

SODA, CYANIDE—440 cyls, Charles Hardy, Europe

SPONGES—16 bls, Schroeder & Tremayne, Havana
42 bls, Havana
13 bls, Havana
42 bls, Havana
48 bls, Havana
16 bls, Gulf West Indies Co, Havana

STEATITE—8 bbls, M Kirchberger, Leghorn

TALC—150 pkgs, C B Crystal & Co, Kobe

TANKAGE—428 bgs, Swift & Co, Montevideo
4,000 bgs, Montevideo
555 bgs, Wessel, Duval & Co, Montevideo
500 bgs, Montevideo

LIVER—436 bgs, Anewalt Schmitt Co, Montevideo

TAPIOCA FLOUR—500 bgs, Aaron D Welds Sons, Pasoeroean
250 bgs, Catz American Co, Oosthaven
150 bgs, American Cyanamid & Chem Co, Oosthaven
1,350 bgs, American Cyanamid & Chem Co, Cheribon
500 bgs, American Cyanamid & Chem Co, Tjilatjap
3 bgs, Sino Java Hvg, Batavia
742 bgs, Irving Trust Co, Batavia
498 bgs, Irving Trust Co, Tjilatjap
500 bgs, Tjilatjap
3 bgs, Sino Java Hvg, Batavia

TARTAR—258 bgs, W R Grace & Co, San Antonio
240 bgs, J P Morgan & Co, Leghorn

THYME LEAVES—58 bls, Seek & Kade, Marseilles
82 bls, J Mann & Co, Marseilles
22 bls, W E Martin, Marseilles

TIN WOLFRAMITE ORE—1,482 bgs, W R Grace & Co, Mollendo

TONKA BEANS—20 cks, Guaranty Trust Co, Trinidad

TUBA ROOT—315 bls, Saigon
43 bls, Saigon
100 bls, Dodwell & Co, Singapore

UVA URSI LEAVES—14 bls, R D Heins, Genoa
28 bls, R D Heins, Genoa

VALONIA CUPS—1,760 bgs, Barkey Import Co, Izmir

VANADIUM—966 bgs, Vanadium Corp of America, Callao

VANILLA BEANS—12 cs, Dodge & Olcott Co, Vera Cruz
13 cs, Geo Lueders & Co, Vera Cruz
9 cs, Pan American Trust Co, Vera Cruz
15 cs, Manufacturers Trust Co, Marseilles
70 cs, Dodge & Olcott Co, Marseilles

VANILLA BEANS—69 cs, Thursten & Braidlich, Marseilles
39 cs, Dodge & Olcott Co, Marseilles
39 cs, Tradesmen National Bank Trust Co, Marseilles
17 cs, Fritzsche Bros, Marseilles
21 cs, Dodge & Olcott Co, Marseilles
31 cs, Thurston & Braidlich, Marseilles
41 cs, Geo Lueders & Co, Marseilles
19 cs, Chase Natl Bank, Marseilles
50 cs, Guaranty Trust Co, Marseilles
10 cs, Geo Uhe & Co, Marseilles
21 cs, Roseau
VARNISH—6 cs, Genoa
VETIVER—14 bls, Maracaibo
WATTLE BARK—221 bls, Tannin Corp, Mombasa
WAX, BEES—48 bgs, Havana
CARNAUBA—75 bgs, Chase Natl Bank, Tutoya
125 bgs, W R Grace & Co, Tutoya
38 bgs, Strohmeyer & Arpe Co, Tutoya
63 bgs, Brown Bros Harrimann Co, Tutoya
291 bgs, W M Allison & Co, Para
488 bgs, Strohmeyer & Arpe Co, Parnahyba
314 bgs, Strohmeyer & Arpe Co, Parnahyba
78 bgs, Strohmeyer & Arpe Co, Ceara
CERESIN—288 bgs, Asiatic Petroleum Corp, Sourabaya
WOLFRAM ORE—325 bgs, W R Grace & Co, Antofagasta
140 bgs, Chase Natl Bank, Callao
128 bgs, East Asiatic Co, Ltd, Penang
ZINC CONCENTRATE—52,428 bgs, Cerro De Pasco Copper Co, Callao

New York Transit Imports

CHEMICALS—5 cks, Sandoz Chem Works, Genoa, Toronto
DYES, ANILIN — 33 pkgs, Sandoz Chem Works, Genoa, Toronto
HERBS—2 cs, Steve Moherko, Fiume, Milwaukee
OIL, CODLIVER, MED—100 dms, Gelatine Prod Co, Bergen, Detroit
OLIVE — 10 dms, National City Bank, Seville, Toledo
75 dms, Seville, Chicago
80 dms, Banco Di Napoli Trust Co, Seville, Chicago
VANILLA BEANS—15 cs, Zink & Triest, Vera Cruz, Philadelphia
8 cs, M Cortizas & Co, Vera Cruz, Philadelphia
5 cs, M Cortizas & Co, Marseilles, Philadelphia
19 cs, M Cortizas & Co, Marseilles, Philadelphia
8 cs, M Cortizas & Co, Marseilles, Philadelphia

Baltimore Imports

BONEMEAL—2,293 bgs, Fiume
FISHMEAL—2,123 bgs, Buenos Aires
992 bgs, Buenos Aires
IRON ORE—11,300 tons, Bethlehem Steel Co, Cruz Grande
4,902 tons, Leo J Buck, Inc, Narvik
21,500 tons, Bethlehem Steel Co, Cruz Grande
22,300 tons, Bethlehem Steel Co, Cruz Grande
LICORICE ROOT—4,273 bls, Iskenderun
MANGANESE ORE—5,000 tons, Durban
MEAKIN MEAL—6,000 bgs, Kobe
MOLASSES—879,291 gls, Cuba Distilling Co, Romana
507,706 gls, Cuba Distilling Co, Guanica
OIL, OLIVE—600 dms, Piraeus
SIENNA—50 bgs, 20 cks, Leghorn
TANKAGE—4,393 bgs, Buenos Aires

Boston Imports

CREAM TARTAR—20 cks, Canadian National Railway, Marseilles
GUM ARABIC—400 bgs, Patterson, Wyde & Co, Haifa
LOCUST BEAN—50 bgs, Industrial Trust Co, Genoa
OCHER—400 bgs, Stanley Doggett, Marseilles
40 cks, Stanley Doggett, Marseilles
OIL, ALMOND—6 dms, Tombarel Prod Co, Marseilles
COCONUT—635 tons, Philippine Refining Corp, Manila
OLIVE—80 dms, Banco Di Napoli Trust Co, Seville
100 dms, Leghorn Trading Co, Piraeus
45 dms, Cerueti & Commelis, Piraeus
150 dms, C Pappas Co, Piraeus
25 dms, Ferrera Bros, Piraeus
350 cs, W H Hobbs, Genoa
50 cs, C Torrielli, Genoa
65 cs, Malatesta Co, Genoa
250 cs, G Limene Co, Genoa
50 cs, Venice Grocery Co, Genoa
100 cs, Scaranelli & Co, Genoa
468 cs, S S Pierce Co, Genoa
60 cs, 14 pkgs, C D Del Rossi & Co, Genoa
875 cs, Pastene & Co, Genoa
110 cs, S S Pierce Co, Marseilles
PEANUT—120 cs, Quong Wah Lung, Manila
PEPPER, BLACK—225 bgs, Oosthaven
SOAP—125 cs, Conti Product Co, Leghorn

Los Angeles Imports

ANTIMONY ORE—85,000 lbs, Iguala
BONEMEAL—50,000 lbs, Tsingtao
CASSIA—13,330 lbs, Hongkong
COCONUT, DESIC—131,820 lbs, Zamboanga
32,110 lbs, Manila
72,100 lbs, Manila
28,050 lbs, Manila
65,750 lbs, Manila
35,650 lbs, Manila
COPRA MEAL—4,500 bgs, 455,640 lbs, Manila
CUMIN SEED—26,460 lbs, Casablanca
DENTIFRICE—60 lbs, Kobe
FERTILIZER—100,800 lbs, Glasgow
GREASE, WOOL—30 dms, 12,400 lbs, Bradford
GUM, COPAL—23,240 lbs, Macassar
HENNA POWDER—24,000 lbs, Amritsar
ISINGLASS—30 lbs, Kobe
MACE—3,550 lbs, Dutch East Indies
OIL, CHINAWOOD—30 dms, 13,500 lbs, Hongkong
PEANUTS, SHELLED—30,000 lbs, Manila
SESAME SEED—150 lbs, Yokohama
SHELLAC—42,640 lbs, Calcutta
SOAP POWDER—480 lbs, Kobe
SOYBEANS—200 lbs, Yokohama
TOILET PREPS—20 lbs, Yokohama

Mobile Imports

TAPIOCA FLOUR—250 bgs, Irving Trust Co, Tjilatjap

New Orleans Imports

COCONUTS—18 tons, Belize
GUM, CHICLE—23 tons, Puerto Barrios

Norfolk Imports

MANGANESE ORE—Quantity, Batavia
1,000 tons, Philadelphia National Bank, Port Natal
TAPIOCA FLOUR—1,000 bgs, Batavia

Philadelphia Imports

BERYLLIUM ORE—735 bgs, Cabedello
BONES, GRANULATED—11,519 bgs, Philadelphia National Bank, Buenos Aires
COCONUTS—100 bgs, Mayaguez
380 bgs, Edward Freeman, Inc, Mayaguez
132 bgs, Starr Product Co, Mayaguez
75 bgs, Simon & French, San Juan
17 bgs, Edward Freeman, Inc, San Juan
297 bgs, Starr Produce Co, San Juan
CASSIA—172 bls, H P Winter Co, Padang
CHROME ORE—252 tons, Phila National Bank, Lourenco Marques
3,000 tons, E J Lavino & Co, Beira
6,023 tons, E J Lavino & Co, Pastelillo
COCOA BEANS—250 bgs, Kennedy, Butcher & Co, Trinidad
18,400 bgs, Standard Bank of South Africa, Ltd, Accra
1,312 bgs, Banque Canadienne Nationale, Accra
4,000 bgs, Barclays Bank, Accra
8,000 bgs, Balfour, Guthrie & Co, Takoradi
16,000 bgs, Standard Bank of South Africa, Ltd, Takoradi
956 bgs, Guaranty Trust Co of New York, Algiers
CASEIN—584 bgs, National City Bank of New York, Buenos Aires
CORK, WASTE—1,139 bls, Wicander & Co, Algiers
5,926 bls, Armstrong Cork Co, Tunis
138 bls, Wicander & Co, Algiers
CANARY SEED—4,758 bgs, Buenos Aires
GINGER ROOT, DRD—532 bgs, Bank of British W Africa, Freetown
ILMENITE SAND—6,700 tons, Koilthottam
7,380 tons, Koilthottam
LICORICE ROOT—4,972 bls, 24 bgs, Mac-Andrews & Forbes Co, Izmir
MOLASSES—459,955 gls, E I du Pont de Nemours & Co, Inc, Guayabal
727,921 gls, E I du Pont de Nemours & Co, Inc, Santiago de Cuba
1,343,669 gls, Publicker Alcohol Co, Havana
OIL, OLIVE—50 dms, British-French Discount Bank, Ltd, Piraeus
100 cs, Vincent Marano, Leghorn
150 cs, Liberty Title & Trust Co, Leghorn
35 dms, Tradesmen's National Bank & Trust Co, Seville
25 cs, Chase National Bank, Genoa
RAPESEED—298 tons, Kobe
ORE CONC—7,100 tons, Pepel
PETROLEUM, CRUDE—97,503 bbls, Gulf Oil Corp, Las Piedras
107,639 bbls, Gulf Oil Corp, Puerto la Cruz
30,648 bbls, Gulf Oil Corp, Puerto la Cruz
PEPPER, WHITE—162 bgs, Muntok
243 bgs, Pangkal-Pinang
TANKAGE—1,783 cks, 17 bgs, Baugh & Sons Co, Buenos Aires
TAPIOCA FLOUR—500 bgs, Phila National Bank, Cheribon
WAX, BEES—37 bls, Lisbon
CLAY, FILTER—80 sks, 4,000 lbs, Vancouver; 11,700 sks, 615,000 lbs, Havre
GROUND—400 sks, 40,320 lbs, Balik Papan; 400 sks, 44,800 lbs, Auckland
CLEANER—120 lbs, Panama; 490 lbs, Pago Pago
COLOR, DRY—5,950 lbs, Sydney
DIATOMACEOUS EARTH—721 bgs, 69,560 lbs, Stockholm; 1,102 bgs, 110,200 lbs, Malmo; 500 bgs, 50,000 lbs, Auckland; 115 bgs, 3,100 lbs, Sydney; 28 bgs, 2,800 lbs, Bridgetown; 2,392 bgs, 234,400 lbs, Havre; 7 bgs, 500 lbs, Capetown
DICHLORODIFLUOROMETHANE — 1 cyl, 150 lbs, Lyttleton
DYE, SHOE—1,270 lbs, Manila
ETHYL KETONE—122 dms, 44,650 lbs, Gothenburg
FERTILIZER—400 lbs, Hongkong
GASOLINE—3,100 bbls, 25 dms, Ketchikan; 150 dms, Tegucigalpa
GLYCERIN—500 lbs, Manila
GREASE, LUBRIC—25 cs, 730 lbs, Ketchikan; 2 bbls, 810 lbs, Mambulao; 350 pkgs, 23,900 lbs, Manila
KEROSENE—25 dms, Ketchikan
LACQUER—450 lbs, Panama; 2,730 lbs, Mexico; 4,640 lbs, Santiago
THINNER—1,550 lbs, Panama; 880 lbs, Mexico; 21,120 lbs, Santiago
LARD, SUBSTITUTE—1,000 lbs, Manila
LEAD, RED—1,000 lbs, Santa Rosalia
LITHARGE—1,000 lbs, Medellin
MANGANESE DIOXIDE—1,000 lbs, Medellin
MEDICINAL PREPS—80 lbs, Sydney; 350 lbs, Melbourne
MOLYBDENUM CONC—103,600 lbs, Havre
OIL, COCONUT—11,200 lbs, Valparaiso
COTTONSEED—5,430 lbs, Manila; 10,080 lbs, Singapore
DIESEL—7,800 bbls, Ketchikan; 2 dms, Santa Rosalia; 98,585 bbls, Yokahama; 42,339 bbls, Gensan
FUEL—17,000 bbls, Cordova; 11,000 bbls, Ketchikan; 7,429 bbls, Vancouver; 60,606 bbls, Tocopilla; 32,283 bbls, Chanaral; 24,170 bbls, Santa Rosalia
FURNACE—1,200 bbls, Ketchikan
LEMON—150 lbs, Melbourne; 3,850 lbs, Paris; 1,930 lbs, Geneva
LUBRICATING—890 dms, Calcutta; 262 dms, 47 cs, Ketchikan; 73 pkgs, Manila; 194 pkgs, Mambulao; 20 dms, Capetown
OLEO—5,970 lbs, Manila
SULPHONATED—2 dms, 600 lbs, Auckland
PAINT—2,340 lbs, Vancouver; 860 lbs, Santiago
PARAFFIN—500 bgs, 100,000 lbs, San Jose de Guatemala
PEATMOSS—400 lbs, Hongkong
PECTIN, CITROUS—1,000 lbs, Stockholm; 600 lbs, Gothenburg; 110 lbs, La Guaira; 300 lbs, Sydney; 7,000 lbs, Melbourne
POLISH—4,420 lbs, Hongkong
SAND, SILICA—7,000 lbs, Sydney
SOAP—390 lbs, Victoria
SODA ASH—437,260 lbs, Gothenburg; 55,120 lbs, Manzanillo; 20,000 lbs, San Juan del Sur; 30,000 lbs, Manila
BENZOATE—300 lbs, Manila
CARBONATE—1,000 lbs, Medellin
CAUSTIC—2,550 lbs, Manila
SULPHATE—200,000 lbs, Calcutta
SOLVENTS—3 dms, Ketchikan
STARCH—330 lbs, Pago Pago
TALC—50 bgs, 11,200 lbs, Barranquilla; 60 bgs, 13,440 lbs, Auckland; 40 bgs, 2,000 lbs, Lima; 801 bgs, 40,100 lbs, Manila
TANNING MATERIAL—12,580 lbs, Manzanillo
TOILET PREPS—450 lbs, Macassar; 1,610 lbs, Colon; 770 lbs, Panama; 2,820 lbs, Caracas; 410 lbs, San Salvador; 4,810 lbs, Manila; 760 lbs, Hongkong
WAX, STEARIN—1,000 bgs, 100,000 lbs, Manila

New Orleans Exports

ASPHALT—94 tons, Belize
BARYTES—25 tons, Havana
CLAY, BLEACHING—20 tons, Cristobal
FIRECLAY—10 tons, Cristobal; 7 tons, Havana
GASOLINE—194 tons, Tela; 76 tons, Puerto Barrios; 185 dms, Ceiba
KEROSENE—10 tons, Bocas del Toro; 21 tons, Tela; 10 tons, Belize; 114 tons, Puerto Barrios; 3 dms, Ceiba
LARD—27 tons, Santa Marta; 78 tons, Barranquilla; 14 tons, Puerto Limon; 58 tons, Havana; 54 tons, Cristobal; 11 tons, Puerto Barrios; 71 tons, Santiago; 10 tons, West Coast South America
LIME—13 tons, Cristobal; 60 tons, Ceiba
OIL, DIESEL—600 bbls, Puerto Cabezas; 50 dms, Ceiba
FUEL—10 tons, Belize; 1,500 bbls, Ceiba
LUBRICATING—15 tons, Havana
PINE—20 dms, Puerto Cabezas
PETROLEUM TREATING COMP—18 tons, Cartagena
ROSIN—25 tons, Cristobal; 19 tons, Barranquilla; 13 tons, Havana; 116 tons, West Coast South America
SALT—36 tons, Havana; 20 tons, Cristobal
SHRIMP BRAN—10 tons, Cristobal
WAX—20 tons, Barranquilla; 15 tons, Cristobal

Philadelphia Exports

ACID, FORMIC—40 carboys, Sourabaya; 40 carboys, Batavia; 40 carboys, Bandjermasin; 40 carboys, Palembang; 40 carboys, Pontianak; 40 carboys, Rengat; 40 carboys, Belawan Deli; 40 carboys, Pomangkat; 40 carboys, Djambi
AMMONIA, ANHYDR — 32 cyls, Rio de Janeiro
BLEACHING POWDER—10 dms, Bangkok
ETHYL FLUID—27 dms, Montevideo
FORMALDEHYDE—16 bxs, Rio de Janeiro
GREASE, LUBRIC—100 cs, Santos
INK, PRINTING—39 pails, Buenos Aires
MANGANESE SULPHATE, ANHYDR—4 bbls, Buenos Aires
NITROCELLULOSE—8 bbls, Montevideo
OIL, CYLINDER—200 dms, Gothenburg
ILLUMINATING—5 dms, Santos
LUBRICATING—787 dms, Rio de Janeiro; 129 dms, 285 cs, Santos; 41 dms, 385 cs, Palembang; 2 bbls, 6 dms, Soengi-Gerong; 150 dms, Helsinki; 270 dms, Malmo; 180 dms, Norrkoping; 100 cs, 1,300 dms, Stockholm; 1,147 dms, Gothenburg; 1,220 dms, Yokohama; 13 dms, Oslo; 10 cs, Iquitos; 125 dms, 35 cs, Pernambuco; 46 dms, 101 cs, Aracaju, via Rio de Janeiro; 499 dms, 465 cs, Montevideo
SULPHONATED—15 dms, Buenos Aires
PETROLATUM—60 dms, Gothenburg
RESIN, VARNISH—25 bbls, 7 dms, Montevideo
RUTILE—10 bgs, Buenos Aires
SODA ANTIMONATE—22 bbls, Buenos Aires
CHLORATE—110 dms, Rio de Janeiro
HYDROSULPHITE — 46 dms, Rio de Janeiro; 46 dms, Santos
TANNING EXTRACT — 3 bbls, Rio de Janeiro; 3 bbls, Rio de Janeiro
MATERIAL—38 bbls, Buenos Aires
ZEOLITE—113 sks, Montevideo

Exports from U.S. Ports

Baltimore Exports

FROTHER—21,000 lbs, Kobe
LOGWOOD EXTRACT—8,800 lbs, Kobe
PETROLATUM—80,100 lbs, Shanghai
SODA, BICARBONATE—2,000 lbs, Manila
CAUSTIC—135,000 lbs, Manila

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Los Angeles Exports

ACETONE—250 dms, 89,500 lbs, Gothenburg
ACID, ACETIC—1,090 lbs, Yokohama
BORIC—240 bgs, 26,880 lbs, Calcutta; 2 bbls, 450 lbs, Vancouver; 64 bgs, 7,170 lbs, Auckland; 205 pkgs, 35,200 lbs, Sydney; 40 bgs, 4,480 lbs, Melbourne
MURIATIC—3,480 lbs, Buenaventura
SULPHURIC—3,640 lbs, Buenaventura
ALCOHOL, ISOPROPYL—128 dms, 45,820 lbs, Gothenburg
ARSENIC, METALLIC—4,300 lbs, Tocopilla
ASPHALT—20 dms, 9,270 lbs, Guayaquil; 1,120 bgs, 220,360 lbs, Havre
LIQUID—35 dms, 17,800 lbs, Capetown; 20 dms, 10,000 lbs, Capetown
BORATE—10 kgs, 1,120 lbs, Wellington; 6,465 bgs, 1,087,700 lbs, Osaka/Yokohama
BORAX—230 bgs, 25,760 lbs, Calcutta; 8 bgs, 1,000 lbs, Medellin; 489 bgs, 54,770 lbs, Malmo; 1,178 bgs, 131,940 lbs, Gothenburg; 110 bgs, 12,320 lbs, Auckland; 10 bgs, 1,120 lbs, Greymouth; 570 pkgs, 74,750 lbs, Sydney; 110 bgs, 12,320 lbs, Melbourne; 3,290 bgs, 544,420 lbs, Asaka/Kobe/Yokohama; 210 cs, 21,000 lbs, Beira
BUTYL XANTHATE—1,260 lbs, Amapala
CELESTITE ORE—214,520 lbs, Yokohama
CHEMICALS—50 lbs, Amapala

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—75,764 bbls, Portland; 8,021 bbls, Oleum; 74,718 bbls, Portland; 745 bbls, San Diego; 2,075 bbls, San Diego; 2,900 bbls, San Diego; 3,190 bbls, San Diego; 72,083 bbls, Seattle; 29,749 bbls, Avon; 67,813 bbls, Portland; 33,850 bbls, Seattle; 60,748 bbls, Seattle; 19,169 bbls, El Segundo; 3,665 bbls, San Diego; 67,000 bbls, Portland; 100,644 bbls, Marcus Hook
KEROSENE—13,015 bbls, Oleum; 4,333 bbls, Seattle
OIL, DIESEL—5,625 bbls, Portland; 5,901 bbls, Portland; 1,469 bbls, San Diego; 10,922 bbls, Portland; 42,987 bbls, Seattle; 7,386 bbls, Seattle; 1,458 bbls, San Diego; 5,673 bbls, San Diego; 3,589 bbls, Portland; 8,000 bbls, Portland
FUEL—49,237 bbls, San Francisco; 2,418 bbls, Seattle; 2,860 bbls, Portland; 10,334 bbls, Seattle; 9,129 bbls, Seattle; 60,000 bbls, Portland; 46,158 bbls, Portland; 68,765 bbls, Portland
FURNACE—5,887 bbls, Seattle; 3,459 bbls, Portland
PETROLEUM, CRUDE—69,259 bbls, Avon; 78,400 bbls, Oleum
DISTILLATE—1,478 bbls, Oleum

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended April 10

Belladonna root, 29 bags; moldy.
Codliver oil, 360 drums; not U.S.P.; restricted use.
Codliver oil, 25 drums; restricted use.
Cumin seed, 250 bags; filthy.
Hyosiamus mutiars, 90 bales; not U.S.P.
Kamala powder, 31 bags; not National Formulary.
Liver extract, 2 parcels; not U.S.P.
Medicinal preparations, 2 parcels; false therapeutic claims.
Medicinal preparations, 4 cases; false therapeutic claims; not properly labeled.
Nutmegs, 578 bags; restricted use.
Nutmegs, 81 bags; moldy.
Ovary extract, 3 boxes; not National Formulary; not properly labeled.
Poppy seed, 100 bags; filthy.
Sesame seed, 293 bags; filthy.
Thyme leaves, 143 bales; filthy.

Baltimore

Week Ended April 10

Stock feed, 6,399 bags; restricted use.

Boston

Week Ended April 10

Hair dye, 1 parcel; coal tar hair dye; not properly labeled; false and misleading statements.
Medicinal preparations, 1 parcel; false therapeutic claims; contains undeclared chloretone (a chloroform derivative).
Medicinal preparations, 2 parcels; false therapeutic claims.
Medicinal preparations, 2 parcels; false therapeutic claims; not properly labeled.

San Francisco

Week Ended April 4

Flavoring, sauce, 432 pieces; quantity of contents not declared.
Medicinals, 60,272 pieces; false therapeutic claims.
Medicinals, 100 pieces; misbranded under section 502 (b, 1 & 2), (e-2), (f-1), and (i-1).
Medicinals, 10 pieces; misbranded under section 502 (a) and (e); misbranded under section 505.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Quinine:—Maracaibo, Venezuela; purchase (6852).
Rosin: — Alexandria, Egypt; agency (6957).
Rosin:—Chiasso, Switzerland; purchase (6851).
Soda bicarbonate:—Cairo, Egypt; purchase (6813).
Toilet preparations:—Singapore, Straits Settlements; purchase (6929).
Turpentine: — Alexandria, Egypt; agency (6957).
Urozelectan:—London, England; purchase (6930).
Zeolite:—Zurich, Switzerland; purchase (6925).

Peoples Drug Stores, Inc., Washington, March sales amounted to $1,948,538, compared with $1,859,621 in March last year.

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-ninety-second Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

1-Amino-4-paratoluene-sulphonamidoanthraquinone-2-carboxyl Chloride

Dye

Reactant in making—
Synthetic dyestuffs
Starting point (Brit. 488863) in making—
Red dyestuffs for cellulose esters and ethers

Barium Oxide

(Continued from April 8 issue)

Dye

Process material (U.S. 1221077) in making—
Normal methylanilin

Electrical

Ingredient of—
Cores for arclight electrodes (Brit. 405445)
Electric insulations (U.S. 1131578, 1143885, and 1196505)
Electrodes for mercury-vapor lamps (U.S. 1002936)
Photoelectric cells (U.S. 1376604, 1376605, and 1376606)
Vacuum-tube cathode coating agent (U.S. 1419530)
Vacuum-tube filament coating agent (U.S. 1453267)
Offsetting preventer (U.S. 1363162) for—
Tungsten filaments

Explosives

Ingredient of—
Incendiary composition (U.S. 1308463)
Railways signal fuses (U.S. 1180438)

Fats and Oils

Ingredient (U.S. 1152765) of—
Catalytic mixtures for hydrogenation processes

Fertilizer

Ingredient (U.S. 1126408) of—
Fertilizer

Firefighting

Process material (U.S. 1248092) in making—
Fire extinguisher
Fireproof sizings for paper
Fireproof starch pastes
Fireproofing

Fuel

Catalyst (U.S. 1144800 and 1144801) in making—
Illuminating gas
Ingredient (Brit. 403770) of—
Compounds for improving the combustion of fuels

Glass

Ingredient of—
Glass batches
Glass batches (special) (U.S. 1143885, 1151911, 1305793, 1305794, 1449793, and 1513923)

Ink

Process material (U.S. 1131578) in making—
Lithographic inks

Leather

Process material in making—
Artificial leather (U.S. 1334297)
Quebracho tanning compound (U.S. 1241950)

Meat Packing

Tanning agent (U.S. 1444546) for—
Intestines

Mechanical

Ingredient (U.S. 1456667) of—
Heat insulation

Metallurgical

Ingredient (U.S. 1273432) of—
Electrolyte
Pore-closing agent (U.S. 1214630) for—
Bronze castings
Process material in making—
Aluminum-zirconium alloy (U.S. 1248648)
Antimony (U.S. 1144402 and 1146373)
Arsenic (U.S. 1144402 and 1146373)
Bismuth (U.S. 1144402 and 1146373)
Cadmium (U.S. 1144402 and 1146373)
Castings resistant to calcium bisulphite (U.S. 1214630)
Case-hardening compounds (U.S. 1361131)
Cobalt (U.S. 1146373)
Cobalt-zirconium alloy (U.S.1248648)
Columbium-zirconium alloy (U.S. 1248648)
Copper (U.S. 1144402, 1146373, 1163286, and 1207248)
Gold (U.S. 1144402, 1146373, and 1163286)
Iron (U.S. 1144402 and 1146373)
Iron-zirconium alloy (U.S. 1248648)
Lead (U.S. 1144402 and 1146373)
Manganese (U.S. 1146373)
Manganese-zirconium alloy (U.S. 1248648)
Mercury (U.S. 1146373)
Nickel (U.S. 1146373)
Nickel-zirconium alloy (U.S.1248648)
Silicon (U.S. 1518872)
Silicon alloy (U.S. 1518872)
Silver (U.S. 1144402, 1146373, and 1163286)
Tin (U.S. 1146373)
Titanium-zirconium alloy (U.S. 1248648)
Zinc (U.S. 1144402, 1146373, and 1163286)

Miscellaneous

Ingredient of—
Powder for generating sodium hydroxide (U.S. 1342148)
"Xylium" composition (U.S. 1175422 and 1175423)
Process material (U.S. 1196144) in making—
Light-transforming composition

Paint and Varnish

Process material in making—
Fireproof paint (U.S. 1248092)
Fireproof varnish (U.S. 1248092)
Paint (U.S. 1131578)
Varnish (U.S. 1131578, 1381863, and 1482919)

Paper

Insolubilizing agent (U.S. 1284739, 1284740, and 1385941) for—
Sulphite waste liquor

Petroleum

Process material (U.S. 1152765) in making—
Catalysts for hydrogenation of—
Lamp oils Petroleum
Hydrocarbons Shale Oil

Plastics

Ingredient of—
Molded products (U.S. 1146299)
Phonograph record composition (U.S. 1206034)

Printing

Process material (U.S. 1146299) in making—
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Resins

Process material in making—
Resinous materials (U.S. 1482919)
Synthetic resins (U.S. 1381863)

Rubber

Accelerator (U.S. 1320166) in vulcanizing—
Balata
Dimethylerythrene rubber
Gutta-percha
Isoprene rubber
Synthetic rubber

Stone

Ingredient (U.S. 1456667) of—
Artificial stone composition

Sugar

Process material in—
Refining beat sugar (European practice)

Water and Sanitation

Process material (U.S. 1343927) in making—
Base-exchangers

Chlorobromophosgene

Chemical

Reactant in—
Organic syntheses

Military

Suggested for use as—
Military poison gas

Hexadecylamine

Chemical

Reactant in—
Organic syntheses
Starting point in making—
Emulsifying agents
Various derivatives
Starting point (Brit. 457810) in making—
Synthetic waxes, for polishes, carbon paper, stencils, and textiles, by reacting with mixtures of—
Amines Palmitic acid
Montanic acid Stearic acid

Miscellaneous

Ingredient of—
Dispersing, emulsifying, cleansing, and washing compositions used for various purposes

---

Monododecyl Malate

Lubricant

Claimed (Brit. 500222) as—
Cutting oil base
High-pressure, thin-film lubricant for incorporation in suitable hydrocarbon oils or greases

---

N-Paradimethylamino-phenyl-N'-heptadecylurea

Chemical

Starting point (Brit. 500153) in making—
Salts useful as softening and improving agents for textiles

Tiglic Acid Isopropyl-butylester

Chemical

Dispersing agent (Germ. 626880) in making—
Emulsions of various chemicals
Textile lubricants in emulsified form

Cosmetic

Dispersing agent (Germ. 626880) in making—
Emulsified cosmetics

Fats, Oils, and Waxes

Claimed (Germ. 626880) as powerful emulsifier for—
Fats Waxes
Oils
Dispersing agent (Germ. 626880) in making—
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Emulsified drilling oils
Emulsified fat-splitting preparations
Dispersing agent in (Continued):—
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Emulsified greasing compositions
Emulsified greasing and lubricating composition containing various vegetable and animal fats and oils
Emulsified preparations of natural or synthetic waxes
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Emulsified wire-drawing oils
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Dispersing agent (Germ. 626880) in making—
Emulsified compositions for softening hides
Emulsified dressing compositions
Emulsified fat-liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions
Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Germ. 626880) in making—
Automobile polishes in emulsified form
Emulsified furniture polishes
Emulsified greasing compositions
Waterproofing compositions in emulsified form

Paint and Varnish

Dispersing agent (Germ. 626880) in making—
Waterproofing compositions in emulsified form

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Dispersing agent (Germ. 626880) in making—
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Emulsified compositions for waterproofing paper and pulp compositions and paperboard
Waxing compositions in emulsified form

Petroleum

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Naphtha emulsions
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Emulsified detergents, containing soaps, used for various purposes
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Emulsified textile soaps

Textile

Finishing

Dispersing agent (Germ. 626880) in making—
Emulsified coating compositions
Emulsified sizing compositions
Emulsified washing compositions
Emulsified waterproofing compositions
Emulsified waxing compositions

Manufacturing

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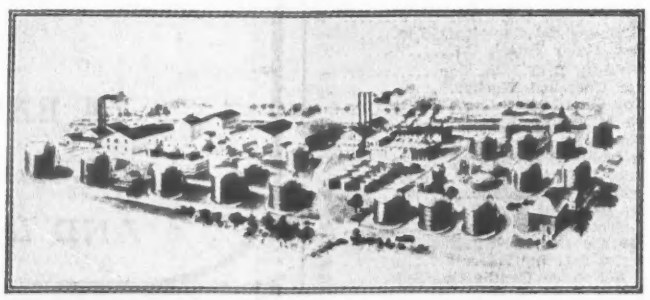
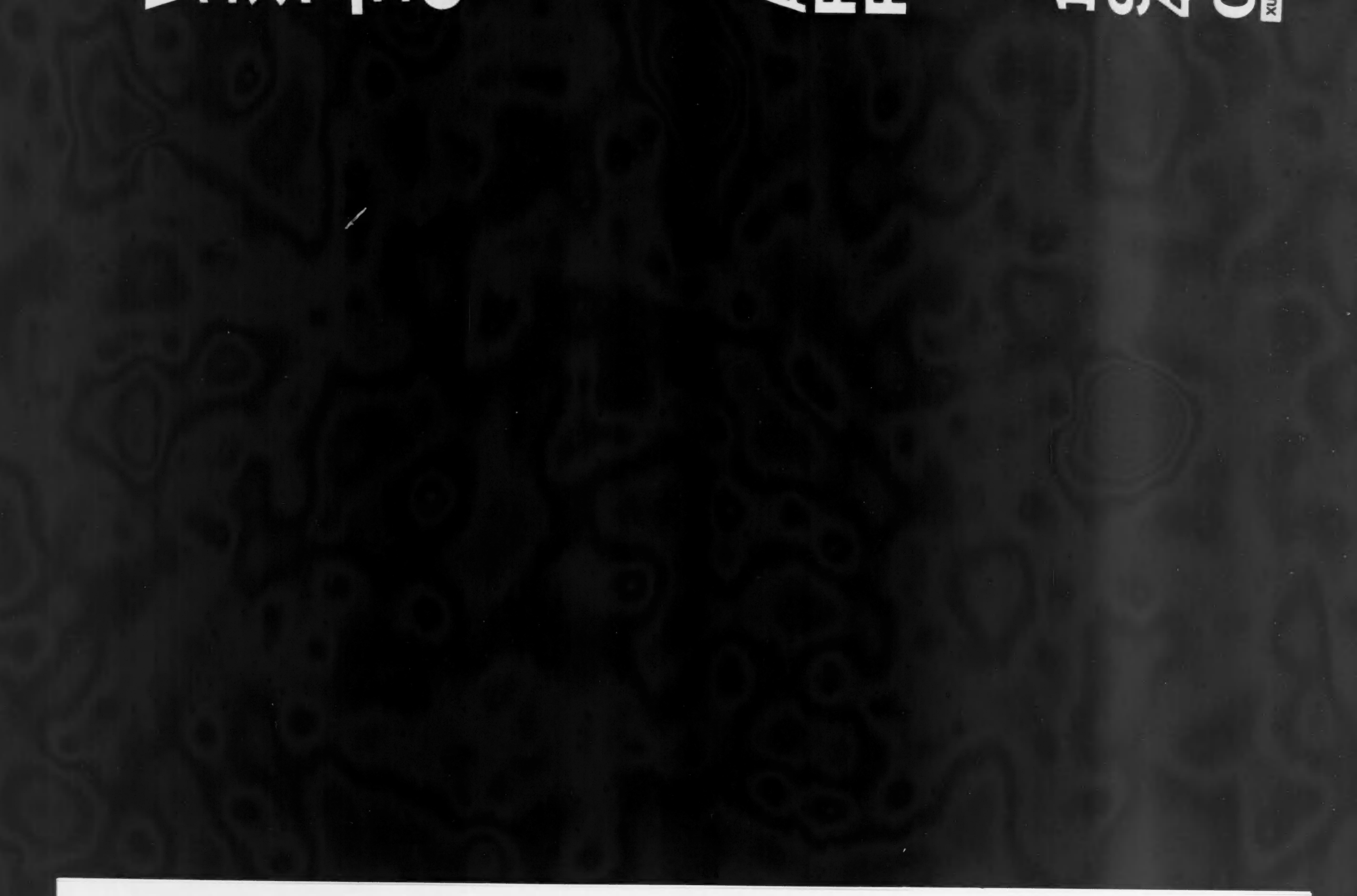
If you are particular about the quality of your products . . . "Ask Wecoline" *an Oil-Processing firm that is very particular about the quality of its fatty acids.*

White, Clear, Vegetable,
FATTY ACIDS
Wecoline's Fatty Acids are exceptionally pure, light colored, and brilliant. *Specifications and samples will be sent for the asking* . . . on
COCONUT CORN
TEASEED PALM
OLIVE TYPE SOY BEAN
LINSEED COTTON SEED
Also Special Processed Fatty Acids and Oils:—
LAURIC - WHITE OLEIC - CAPRIC
STEARIC
WECOLINE Products, Inc. BOONTON, N.J.
Sales Offices: NEW YORK.....CHICAGO....BOSTON

AMERICAN ELDROL
WHITE MINERAL OILS U.S.P. AND TECHNICAL PETROLATUMS
Dependable High Quality will insure the continued sale of your products
We therefore believe our Finest White Oils and Petrolatums will interest you as bases for your lines.
ELDROL U. S. P. MINERAL OILS are the finest to be refined from American Crude.
ELDROL PETROLATUMS are of the same high standard. Their uniformity, economy and convenience have long been recognized. Our wide distribution facilities insure prompt service and delivery.



We invite your inquiries
PENNSYLVANIA OIL PRODUCTS REFINING COMPANY
WARREN PENNSYLVANIA